

# Feasibility Cluster Study for Generation Interconnection Requests

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Engineering Dept.  
Tariff Studies – Generation Interconnection

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## Executive Summary

Generation Interconnection customers have requested a Feasibility Study under the Large Generation Interconnection Procedures (LGIP) in the Southwest Power Pool Open Access Transmission Tariff (OATT). The Interconnection Customers' requests have been clustered together for the following Feasibility Cluster Study. This Feasibility Cluster Study analyzes the interconnecting of multiple generation interconnection requests associated with new generation totaling approximately 13,547 MW of new generation which would be located within the transmission systems of American Electric Power West (AEPW), Southwestern Public Service (SPS) Oklahoma Gas and Electric (OKGE), Westar Energy (WERE) and/or Western Farmers Electric Cooperative (WFEC). The various generation interconnection requests have differing proposed in-service dates<sup>1</sup>. The generation interconnection requests included in this Feasibility Cluster Study are listed in Appendix A by their queue number, amount, area, requested interconnection point, proposed interconnection point, and the requested in-service date.

Power flow analysis has indicated that for the powerflow cases studied, 13,547 MW of nameplate generation may be interconnected with transmission system reinforcements within the SPP transmission system. The need for reactive compensation in accordance with Order No. 661-A for wind farm interconnection requests will be evaluated in the Interconnection System Impact Study based on the wind turbine manufacturer and type requested by the Customer. Dynamic stability studies performed as part of the System Impact Cluster Study will provide additional guidance as to whether the required reactive compensation can be static or a portion must be dynamic (such as a SVC).

The total estimated minimum cost for interconnecting the studied generation interconnection request is \$1,625,401,000. These costs are shown in Appendix F and G. These costs do not include the Interconnection Customer Interconnection Facilities as defined by the SPP Open Access Transmission Tariff (OATT). This cost does not include the possible need for reactive compensation or additional network constraints in the SPP transmission system that were identified are shown in Appendix I.

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 (ER) Interconnection Request. 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 F and G 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.

Based on the SPP Tariff Attachment O, transmission facilities that are part of the SPP Transmission Expansion Plan (STEP) including Sponsored Economic Upgrades or the Balanced Portfolio that may be approved by the SPP Board of Directors will receive notifications to construct. These projects will then be considered construction pending projects and would not be assignable to the Feasibility

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<sup>1</sup> 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 completion of the Facility Study.

Cluster Study Generation Interconnection Requests. The network Upgrades identified in the Base Case Upgrades will not be assigned to the Feasibility Cluster Study for Generation Interconnection Requests.

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## Introduction

Generation Interconnection customers have requested a Feasibility Study under the Large Generation Interconnection Procedures (LGIP) in the Southwest Power Pool Open Access Transmission Tariff (OATT). The Interconnection Customers' requests have been clustered together for the following Feasibility Cluster Study. This Feasibility Cluster Study analyzes the interconnecting of multiple generation interconnection requests associated with new generation totaling approximately 13,547 MW of new generation which would be located within the transmission systems of American Electric Power West (AEPW), Southwestern Public Service (SPS) Oklahoma Gas and Electric (OKGE), Westar Energy (WERE) and/or Western Farmers Electric Cooperative (WFEC). The various generation interconnection requests have differing proposed in-service dates<sup>2</sup>. The generation interconnection requests included in this Feasibility Cluster Study are listed in Appendix A by their queue number, amount, area, requested interconnection point, proposed interconnection point, and the requested in-service date.

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

## Model Development

**Interconnection Requests Included in the Cluster** – SPP has included the interconnection requests listed in Appendix A to be analyzed in this cluster study.

**Electrically Isolated Interconnection Requests** – Electrically isolated requests are discussed in the “Regional Groupings” section.

**Previous Queued Projects** – The previous queued projects included in this study are listed in Appendix B. In addition to the Base Case Upgrades, the previous queued projects 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.

**Development of Base Cases** – The 2009 series Transmission Service Request (TSR) Models 2010 spring and 2014 summer and winter scenario 0 peak cases were used for this study. After the 2010 spring and the 2014 summer and winter peak cases were developed, each of the control areas' resources were then redispatched using current dispatch orders.

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<sup>2</sup> 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.

**Base Case Upgrades** -The following facilities have been previously assigned or are in construction stages and were assumed to be in-service at the time of dispatch and added to the base case models.

- Woodward – Northwest 345kV line and associated projects to be built by OKGE for 2010 in-service<sup>3</sup>.
- Hitchland 345/230/115kV upgrades to be built by SPS for 2010/2011 in-service<sup>4</sup>.
  - Hitchland – Pringle 230kV line
  - Hitchland – Moore County 230kV line
  - Hitchland – Perryton 230kV line
  - Hitchland – Texas County 115kV line
  - Hitchland – Hansford County 115kV line
  - Hitchland – Sherman County Tap 115kV line
- Valliant – Hugo – Sunnyside 345kV – assigned to Aggregate Study AG3-2006 Customers for 2011 in-service
- Wichita – Reno County – Summit 345kV to be built by WERE for 2011 in-service<sup>5</sup>.
- Rose Hill – Sooner 345kV to be built by WERE/OKGE for 2010 in-service.
- Finney – Holcomb 345kV Ckt #2 line assigned to GEN-2006-044 interconnection customer for possible 2010 in-service<sup>6</sup>.
- Hitchland – Woodward 345kV Ckt #1 line assigned to GEN-2006-049 interconnection customer for undetermined in service date.
- All facilities that are to be assigned in the Impact Cluster Study (ICS-2008-001) for the 1<sup>st</sup> transitional cluster. These facilities include:
  - Spearville – Comanche 345kV line
  - Spearville – Wichita 345kV line
  - Woodward – Comanche 345kV line
  - Conway – Wheeler County 345kV line
  - Wheeler County - Anadarko 345kV line
  - Wheeler County 345/230kV stepdown from the Tuco-Woodward 345kV line
- Balanced Portfolio Projects:
  - Anadarko 345/138/13.2kV Autotransformer
  - Woodward– TUCO 345kV line
  - Sooner– Cleveland 345kV line
  - Iatan– Nashua 345kV line
  - Muskogee– Seminole 345kV line
  - Knoll– Axtell 345kV line
  - Spearville– Knoll 345kV line
  - Tap Stillwell – Swissvale 345kV line at West Gardner
- Other Expansion Plan Projects:
  - Seven Rivers – Pecos 230kV line
  - Pecos – Potash Junction 230kV line
  - Hobbs – Seminole 230kV line

<sup>3</sup> Approved based on an order of the Corporation Commission of the State of Oklahoma, Cause No. PUD 200800148 Order No. 55935

<sup>4</sup> Approved 230kV upgrades are based on SPP 2007 STEP. Upgrades may need to be re-evaluated in the system impact study.

<sup>5</sup> Approved based on an order of the Kansas Corporation Commission issued in Docket no. 07-WSEE-715-MIS

<sup>6</sup> Based on Facility Study Posting November 2008

- Seminole – Mustang 230kV line

**Potential Upgrades Not in the Base Case** – Any potential upgrades that do not have a Notification to Construct (NTC) to construct 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 six different regional groups based on geographical and electrical impacts. These groupings are shown in Appendix C. Two other interconnection requests not in close proximity to any other requests were grouped by themselves.

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

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 ten 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. 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. Additionally, each wind interconnection request was studied as a stand alone project at 100% nameplate assuming no other projects in the cluster.

Peaking units were not dispatched in the 2010 spring model. To study peaking units' impacts, the 2014 summer peak model was chosen and peaking units were modeled at 100% of the nameplate rating and wind generating facilities were modeled at 10% of the nameplate rating.

## **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.

**Identification of Electrically Isolated Groups and Requests** – From the FCITC analysis, it was determined that some of the regional groups had no common impacts with the other groups. However, this determination may change as the Interconnection Customers depending upon the time at which the interconnection customers enter either the Preliminary Interconnection System Impact Study (PISIS) or the Definitive Interconnection System Impact Study (DISIS)

## Determination of Cost Allocated Network Upgrades

Cost Allocated Network Upgrades of wind generation interconnection requests were determined using the 2010 spring model. Cost Allocated Network Upgrades of peaking units was determined using the 2014 summer peak model. Once a determination of the required Network Upgrades was made, a powerflow model of the 2010 spring case was developed with all cost allocated Network Upgrades in-service. A MUST FCITC analysis was performed to determine the Power Transfer Distribution Factors (PTDF), 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 Z1 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.



## Interconnection Facilities

The requirement to interconnect the 13,547 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 G. Interconnection Facilities specific to each generation interconnection request are listed in Appendix F. Appendix G lists the costs by upgrade.

Other Network Constraints in the AEPW, MIDW, OKGE, SPS, SUNC, SWPA, MKEC, WERE, AND WFEC transmission systems that were identified are shown in Appendix I. 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.

A preliminary one-line drawing for each generation interconnection request are listed in Appendix D. Figure 1 depicts the major transmission line Network Upgrades needed to support the interconnection of the generation amounts requested in this study.

## Powerflow 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 FCITC function of MUST was used to simulate single contingencies in portions or all of the modeled control areas of AEPW, EMDE, Grand River Dam Authority (GRDA), Kansas City Power & Light (KCPL), MIDW, MIPU, OKGE, SPS, SUNC, WERE, WFEC and other control areas were applied and the resulting scenarios analyzed. This satisfies the “more probable” contingency testing criteria mandated by NERC and the SPP criteria.

## Powerflow Analysis

A powerflow analysis was conducted for each Interconnection Customer’s facility using modified versions of the 2010 spring peak and the 2014 summer peak 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. The available seasonal models used were through the 2014 Summer Peak.

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

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

**Woodward Area** – The Woodward area contained approximately 1,250 MW of new interconnection requests. The interconnection requests for this area were quite large (all over 200MW). Therefore, it is recommended that all interconnection be effected at 345kV. The 345kV line to Oklahoma City showed up as a constraint and the mitigation was a new 345kV line from Woodward to Woodring.

**Hitchland Area** – This study area contained 1,073 MW of interconnection requests. The major constraints for the Hitchland area included several 115kV and 230kV lines in the area due to large interconnection requests on the lower voltage system. These interconnections were moved to the 345kV system and a new Hitchland-Woodward 345kV line was modeled to mitigate any constraints.

**Amarillo Area** – The Amarillo group had 1,167 MW of interconnection requests. The major constraints were SPS area tie lines and SPS north to south issues. Inclusion of the Potter – Frio Draw 345kV and Potter – Conway 345kV lines mitigated most constraints.

**New Mexico/West Texas Area** – This group had 5,297 MW of requested generation. Most of this generation was fossil based generation. The major constraints in this area were all SPS south to north connections and SPS tie lines due the exporting of more energy than could be used in SPS. Two 345kV lines from Midland County were necessary for an outlet of over 2,000 MW of requested generation at Midland. In addition, the Hobbs-Midland-Borden-Grassland 230kV loop was converted to 345kV operation.

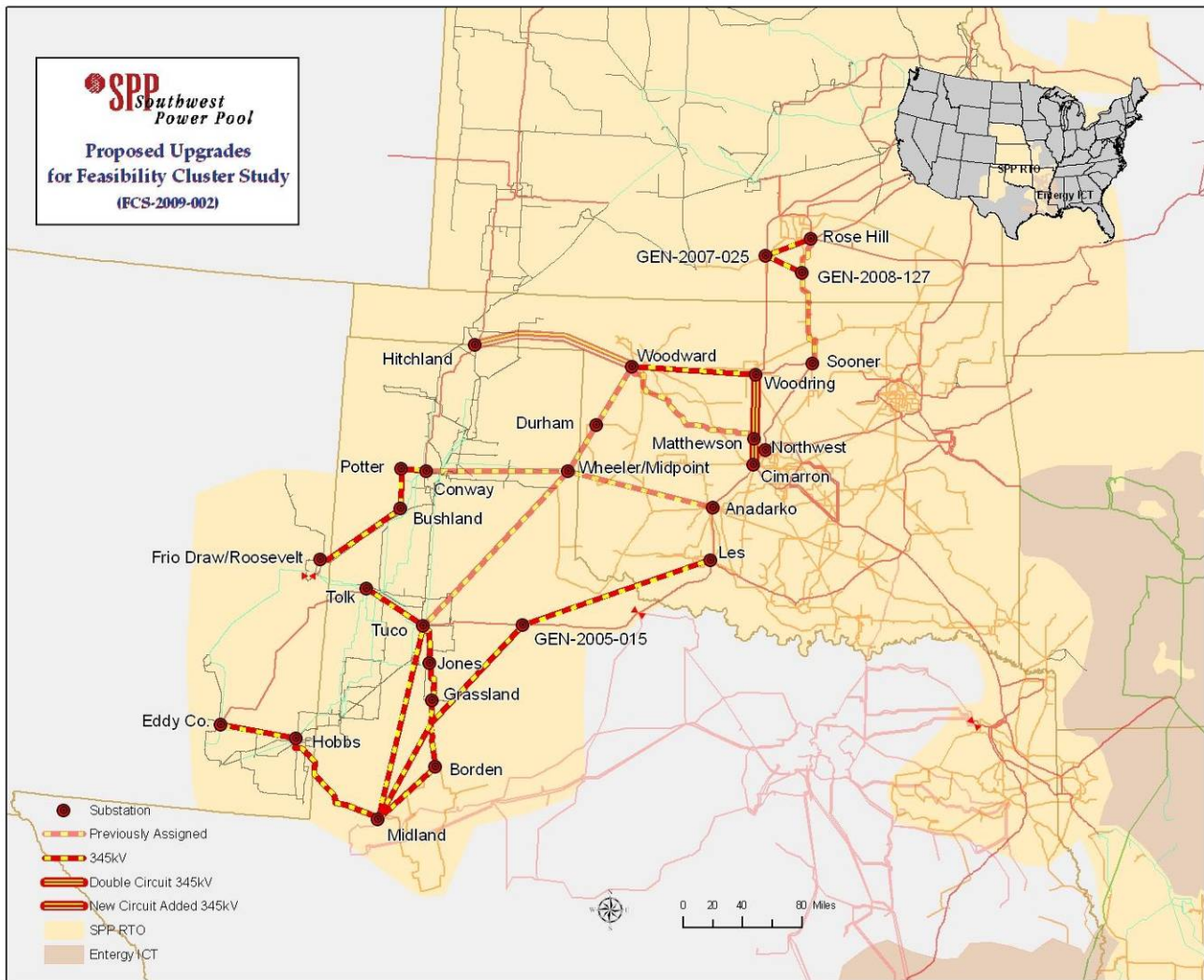
**Southwestern Oklahoma** – This group had 220 MW of interconnection requested in the area. The request had proposed a point of interconnection at Durham 138kV. This proved infeasible and the point of interconnection was moved to the Tuco-Woodward 345kV line, which will pass by close to this area

**South Central Kansas / North Central Oklahoma** – This area included over 4,650 MW of requested wind generation. Several 345kV lines connecting Wichita-Woodring to Rose Hill – Sooner were necessary to mitigate the constraints.

**South Oklahoma** – The South Oklahoma area contained approximately 613 MW of new interconnection requests. No constraints were found in this area.

On the next page is the map of the transmission upgrades that are recommended to interconnect the cluster of generation interconnection requests.

# Regional Map with Proposed Upgrades



**Figure 1 - Proposed Major Line Upgrades**

## Conclusion

The minimum cost of interconnecting all of the interconnection requests included in the Feasibility Cluster Study is estimated at \$1,625,401,000 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 I which are Network Constraints.

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

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

# Appendix

## **A: Generation Interconnection Requests Considered for Feasibility Study**

<b>Request</b>	<b>Amount</b>	<b>Area</b>	<b>Requested Point of Interconnection</b>	<b>Proposed Point of Interconnection</b>	<b>Requested In-Service Date</b>
GEN-2008-042	600	OKGE	Woodring 345kv Substation	Woodring 345kv Substation	12/1/2012
GEN-2008-043	600	OKGE	Woodring 345kv Substation	Woodring 345kv Substation	12/1/2011
GEN-2008-067	160	SWPS	Hereford Substation	Hereford Substation	12/1/2011
GEN-2008-069	298.5	SWPS	Eddy-Tolk 345kV	Eddy-Tolk 345kV	9/1/2011
GEN-2008-070S	16.8	AEPW	13.8 - 69kv Substation at 33rd West Avenue in Tulsa	13.8 - 69kv Substation at 33rd West Avenue in Tulsa	
GEN-2008-072	300	SWPS	Lamb County Interchange 230kV	Lamb County Interchange 230kV	1/1/2011
GEN-2008-073	300	WERE	Wichita - Woodring 345kV	Wichita - Woodring 345kV	
GEN-2008-074	300	WERE	Wichita - Woodring 345kV	Wichita - Woodring 345kV	
GEN-2008-075	300	WERE	Wichita - Woodring 345kV	Wichita - Woodring 345kV	
GEN-2008-076	300	WERE	Wichita - Woodring 345kV	Wichita - Woodring 345kV	
GEN-2008-077	220	WFEC	Midpoint - Woodward 345kV	Midpoint - Woodward 345kV	7/31/2011
GEN-2008-082	200	SWPS	Perryton	Hitchland-Woodward 345kV	12/31/2015
GEN-2008-084	300	SWPS	Vega or Wildorado substation	Bushland 230kV	6/1/2011
GEN-2008-086	250	WFEC	Mooreland 138kv	Woodward 345kV	10/1/2011
GEN-2008-090	300	WFEC	Perryton North - Cole line	Hitchland-Woodward 345kV	1/1/2012
GEN-2008-091	300	OKGE	Woodring - Wichita 345	Woodring - Wichita 345	1/1/2011
GEN-2008-093	525	SWPS	Tolk 7 - Eddy_CNTY 7 345	Tolk 7 - Eddy_CNTY 7 345	12/31/2012
GEN-2008-096	100	WERE	Wichita – Woodring 345kV	Wichita – Woodring 345kV	12/31/2011
GEN-2008-097	100	WERE	Wichita – Woodring 345kV	Wichita – Woodring 345kV	12/31/2011
GEN-2008-101	34.2	SWPS	Lea County NM	Hobbs 115kV	12/1/2010
GEN-2008-102	34.2	SWPS	San Juan	San Juan 230kV	12/1/2010
GEN-2008-103	300	WFEC	Fort Supply 138kv Substation	Woodward 345kV	12/1/2011
GEN-2008-104	100	OKGE	Otter to Cow Creek 138kv	Otter to Cow Creek 138kv	12/31/2011
GEN-2008-105	100	OKGE	Sooner to Spring Creek 345	Sooner to Spring Creek 345	12/31/2011
GEN-2008-106	100	OKGE	Woodring - Cimarron 345kV	Woodring - Cimarron 345kV	12/31/2011
GEN-2008-107	100	OKGE	Woodring - Cimarron 345kV	Woodring - Cimarron 345kV	12/31/2011
GEN-2008-109	150	SWPS	Texco3 115kv Substation	Hitchland- Texas County 115kV	7/31/2011
GEN-2008-111	400	OKGE	Sooner 345kv substation	Sooner 345kV substation	7/1/2010
GEN-2008-112	500	WFEC	Woodward Substation	Woodward 345kV	10/1/2011
GEN-2008-113	100	OKGE	Woodring - Sooner	Woodring - Sooner 345kV	12/31/2015
GEN-2008-114	100	OKGE	Woodring - Cimarron	Woodring - Cimarron 345kV	12/31/2015
GEN-2008-115	200	WFEC	Fort Supply 138kv Substation	Woodward 345kV	12/31/2011
GEN-2008-120	239.2	SWPS	Potter - Plant X	GEN-2006-039 230kV	3/1/2011
GEN-2008-121	149.5	SWPS	Tuco - Oklaunion 345kv	Tuco - Oklaunion 345kv	3/1/2011
GEN-2008-126	240	OKGE	Woodring	Woodring 345kV	12/30/2012
GEN-2008-130	300	SWPS	Tuco - Oklaunion 345kv	Tuco - Oklaunion 345kv	12/31/2011
GEN-2008-131	128	SWPS	Sundown to Wolfforth 230kv	Sundown to Wolfforth 230kv	5/1/2012
GEN-2008-132	604	SWPS	230kv lea county substation	Hobbs 345kV	5/1/2013
GEN-2008-134	300	OKGE	Woodring - Cimarron	Woodring - Cimarron 345kV	1/1/2012
GEN-2008-135	531	SWPS	Midland Substation	Midland 345kV	1/1/2012
GEN-2008-136	531	SWPS	Midland Substation	Midland 345kV	1/1/2012
GEN-2009-001	128	SWPS	Jones Power Pland substation 230kv	Jones 230kV	5/1/2012
GEN-2009-002	306	SWPS	Jones Power Pland substation 230kv	Jones 230kV	5/1/2012
GEN-2009-007	550	SWPS	Midland Substation	Midland 345kV	1/1/2012

Appendix A: GI Requests Considered For Feasibility Study



Request	Amount	Area	Requested Point of Interconnection	Proposed Point of Interconnection	Requested In-Service Date
GEN-2009-023S	18	SWPS	Exell Substation	Exell Substation	4/1/2011
GEN-2009-024S	18	SWPS	Exell Substation	Exell Substation	12/1/2011
GEN-2009-032S	5.3	OKGE	Sage 69kV	Foster 138kV	8/1/2010
GEN-2009-033	87	SWPS	SPS Beaver county 115kv	Ochiltree 115kV	12/31/2012
GEN-2009-034	102	OKGE	Grady County OK	Cimarron - Lawton Eastside 345kV	10/31/2012
GEN-2009-035	102	OKGE	Grady County OK	Cimarron - Lawton Eastside 345kV	10/31/2012
GEN-2009-036	202	OKGE	Murray County, OK	Sunnyside - Lawton Eastside 345kV	5/31/2011
GEN-2009-037	202	OKGE	Murray County, OK	Sunnyside - Lawton Eastside 345kV	5/31/2011
GEN-2009-038	200	SWPS	Hobbs, NM	Hobbs 230kV	9/1/2011
GEN-2009-039	147	SWPS	Eddy-Tolk 345	Eddy-Tolk 345	12/31/2012
GEN-2009-041	300	SWPS	Moore county - hitchland	Moore County - Hitchland 230kV	6/30/2011
GEN-2009-042	450	WFEC	Stateline-Woodward 345	Tuco - Woodward 345kV	6/30/2012
GEN-2009-044S	18	SWPS	Claytonville Substation	Claytonville 69kV	10/1/2011
<b>GROUPED TOTAL</b>	<b>13546.7</b>				

\* Planned Facility

^ Proposed Facility

\*\* Alternate requests - counted as one request for study purpose

\*\*\* Electrically Remote Interconnection Requests

\*\*\*\*Portions of this request are alternates for other interconnection requests listed as prior queued generators



## **B: Prior Queued Interconnection Requests**

<b>Request</b>	<b>Amount</b>	<b>Area</b>	<b>Requested/Proposed Point of Interconnection</b>	<b>Status or In-Service Date</b>
GEN-2001-014	96	WFEC	Fort Supply 138kV	On-Line
GEN-2001-026	74	WFEC	Washita 138kV	On-Line
GEN-2001-033	180	SPS	San Juan Mesa Tap 230kV	On-Line
GEN-2001-036	80	SPS	NORTON 115kV	On-Line
GEN-2001-037	100	OKGE	Windfarm Switching 138kV	On-Line
GEN-2001-039A	105	WPEK	Greensburg - Judson-Large 115kV	On Suspension
GEN-2001-039M	100	SUNC	Central Plains Tap 115kV	On-Line
GEN-2002-005	120	WFEC	RED HILLS TAP 138kV	On-Line
GEN-2002-006	150	SPS	Texas County 115kV	12/31/2010
GEN-2002-008	240	SPS	*Hitchland 345kV	On-Line (120MW)
GEN-2002-009	80	SPS	Hansford County 115kV	On-Line
GEN-2002-022	240	SPS	Bushland 230kV	On-Line (160MW)
GEN-2002-025A	150	WPEK	Spearville 230kV	On-Line
GEN-2003-004	100	WFEC	Washita 138kV	On-Line
GEN-2003-005	100	WFEC	Tap Anadarko - Paradise 138kV	12/31/2008
GEN-2003-006A-E	200	EMDE	Elm Creek 230kV	On-Line
GEN-2003-006A-W	200	WERE	Elm Creek 230kV	On-Line
GEN-2003-013**	198	SPS	Tap Finney - *Hitchland 345kV	On Suspension
GEN-2003-019	250	MIDW	Smoky Hills 230kV	On-Line
GEN-2003-020	160	SPS	MARTIN 115kV	On-Line (80MW)
GEN-2003-021N	75	NPPD	Ainsworth Wind Tap 115kV	On-Line
GEN-2003-022	120	AEPW	Washita 138kV	On-Line
GEN-2004-003	240	SPS	Conway 115kV	On Suspension
GEN-2004-005N	30	NPPD	St. Francis 115kV	
GEN-2004-010	300	WERE	Latham 345kV	On Suspension
GEN-2004-014	155	MIDW	Spearville 230kV	12/31/2009
GEN-2004-020	27	AEPW	Washita 34.5kV	On-Line
GEN-2004-023	21	WFEC	Washita 138kV	On-Line
GEN-2005-003	31	WFEC	Washita 138kV	On-Line
GEN-2005-005	18	OKGE	Windfarm Switching 138kV	5/1/2006
GEN-2005-008	120	OKGE	Woodward 138kV	On-Line
GEN-2005-010	160	SPS	Tap Roosevelt County North - Tolk West 230kV	On Suspension
GEN-2005-012	250	WPEK	Spearville 345kV	10/1/2011
GEN-2005-013	201	WERE	Tap Latham-Neosho 345kV	On Suspension
GEN-2005-015	150	SPS	TUCO - Oklaunion 345kV	On Suspension

Appendix B: Prior Queued Interconnection Requests



Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2005-016	150	WERE	Tap Latham-Neosho 345kV	12/31/2006
GEN-2005-017	340	SPS	Tap *Hitchland - Potter County 345kV	On Suspension
GEN-2005-021	86	SPS	Kirby 115kV	On Suspension
GEN-2006-002	150	AEPW	Grapevine - Elk City 230kV	On Suspension
GEN-2006-006	206	MKEC	Spearville 230kV	Under Study (ICS-2008-001)
GEN-2006-014	300	MIPU	Tap Maryville-Clarinda and tie to Midway (WFARMS) 161kV	5/31/2008
GEN-2006-017	300	MIPU	Tap Maryville-Clarinda and tie to Midway (WFARMS) 161kV	On Suspension
GEN-2006-020S	18.9	SPS	*DWS FRISCO TAP 115kV	12/31/2009
GEN-2006-020N	42	NPPD	BloomField 115kV	1/1/2009
GEN-2006-021	101	WPEK	Flat Ridge Wind Farm Tap 138kV	On-Line (100MW)
GEN-2006-022	150	WEPL	Ninnescah Tap 115kV	On Suspension
GEN-2006-024S	20	WFEC	SOUTH BUFFALO TAP 69kV	On-Line
GEN-2006-027	320	WERE	Emporia Energy Center Tap (Lang) 345kV	On-Line
GEN-2006-031	75	MIDW	Knoll 115kV	On-Line
GEN-2006-032	200	MIDW	South Hays 230kV	4/30/2012
GEN-2006-034	81	SUNC	Kanarado - Sharon Springs 115kV	On Suspension
GEN-2006-035	225	AEPW	Grapevine - Elk City 230kV	10/1/2010
GEN-2006-037N	100.5	NPPD	Valentine 115kV	Under Study (DISIS-2009-001)
GEN-2006-037N1	75	NPPD	Broken Bow 115kV	Under Study (DISIS-2009-001)
GEN-2006-038	750	WFEC	Hugo 345kV	On Suspension
GEN-2006-038N005	80	NPPD	Broken Bow 115kV	12/1/2010
GEN-2006-038N019	80	NPPD	Petersburg 115kV	5/1/2011
GEN-2006-039	400	SPS	Tap and Tie both Potter County - Plant X 230kV and Bushland - Deaf Smith 230kV	On Suspension
GEN-2006-040	108	SUNC	Mingo 115kV	6/30/2010
GEN-2006-043	99	AEPW	Grapevine - Elk City 230kV	12/31/2009
GEN-2006-044	370	SPS	*Hitchland 345kV	11/1/2011
GEN-2006-044N	40.5	NPPD	Tap Neligh-Petersburg 115kV	Under Study (DISIS-2009-001)
GEN-2006-045	240	SPS	Tap and Tie both Potter County - Plant X 230kV and Bushland - Deaf Smith 230kV	12/31/2010
GEN-2006-046	131	OKGE	Dewey 138kV	12/31/2009
GEN-2006-047	240	SPS	TAP & TIE POTTER-PLANT X & BUSHLAND-DEAF SMITH (GEN-2006-039 TAP & TIE)	12/31/2013
GEN-2006-049	400	SPS	Tap Finney - *Hitchland 345kV	IA Pending
GEN-2007-002	160	SPS	Grapevine 115kV	On Suspension
GEN-2007-005	200	SPS	Pringle 115kV	Under Study (ICS-2008-001)
GEN-2007-006	160	OKGE	Roman Nose 138kV	On Suspension
GEN-2007-008	300	SPS	^Grapevine EHV 230kV	Under Study (ICS-2008-001)

Appendix B: Prior Queued Interconnection Requests



Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2007-011	135	SUNC	Syracuse 115kV	12/31/2010
GEN-2007-011N06	75	NPPD	Tap Neligh-Petersburg 115kV	Under Study (DISIS-2009-001)
GEN-2007-011N08	81	NPPD	BloomField 115kV	On-Line
GEN-2007-011N09	75	NPPD	BloomField 115kV	Under Study (DISIS-2009-001)
GEN-2007-013	99	SUNC	Selkirk 115kV	IA Pending
GEN-2007-015	135	WERE	Tap Humboldt - Kelly 161kV	IA Pending
GEN-2007-017	101	MIPU	Tap Maryville-Clarinda and tie to Midway (WFARMS) 161kV	12/31/2009
GEN-2007-021	201	OKGE	TATONGA EHV 345kV	Under Study (ICS-2008-001)
GEN-2007-025	300	WERE	Wichita – Woodring 345kV	Under Study (ICS-2008-001)
GEN-2007-032	150	WFEC	Tap Clinton Junction - Clinton 138kV	Under Study (ICS-2008-001)
GEN-2007-034	150	SPS	Tap Tolk - Eddy County 345kV	Under Study (ICS-2008-001)
GEN-2007-038	200	SUNC	Spearville 345kV	Under Study (ICS-2008-001)
GEN-2007-040	200	SUNC	Tap Holcomb - Spearville 345kV	Under Study (DISIS-2009-001)
GEN-2007-043	300	AEPW	Lawton Eastside - Cimarron 345kV	Under Study (ICS-2008-001)
GEN-2007-044	300	OKGE	^TATONGA EHV 345kV	Under Study (ICS-2008-001)
GEN-2007-045	171	SPS	Conway 115kV	Under Study (ICS-2008-001)
GEN-2007-046	200	SPS	TAP & TIE TEXAS COUNTY-HITCHLAND & DWS FRISCO TAP-HITCHLAND 115kV	Under Study (ICS-2008-001)
GEN-2007-048	400	SPS	Amarillo South - Swisher County 230kV	Under Study (ICS-2008-001)
GEN-2007-050	170	OKGE	Woodward EHV 138kV	Under Study (ICS-2008-001)
GEN-2007-051	200	WFEC	Mooreland 138kV	Under Study (ICS-2008-001)
GEN-2007-052	150	WFEC	Anadarko 138kV	Under Study (ICS-2008-001)
GEN-2007-053***	110	MIPU	Maryville 161kV	Under Study (ICS-2008-001)
GEN-2007-057	35	SPS	MOORE EAST 115kV	Under Study (ICS-2008-001)
GEN-2007-062**	765	OKGE	*Woodward EHV 345kV	Under Study (ICS-2008-001)
GEN-2008-003	101	OKGE	Woodward 138kV	Under Study (ICS-2008-001)
GEN-2008-008	60	SPS	Graham 115kV	Under Study (ICS-2008-001)
GEN-2008-009	60	SPS	San Juan Mesa 230kV	Under Study (ICS-2008-001)
GEN-2008-013	300	OKGE	Wichita - Woodring 345kV	Under Study (ICS-2008-001)
GEN-2008-014	150	SPS	Tap TUCO - Oklaunion 345kV	Under Study (ICS-2008-001)
GEN-2008-016	248	SPS	Grassland 230kV	Under Study (ICS-2008-001)
GEN-2008-017	300	SUNC	Setab 345kV	Under Study (ICS-2008-001)
GEN-2008-018	405	SUNC	FINNEY 345kV	Under Study (ICS-2008-001)

Appendix B: Prior Queued Interconnection Requests

Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2008-019**	300	OKGE	TATONGA EHV 345kV	Under Study (ICS-2008-001)
GEN-2008-021	42	WERE	Wolf Creek 25kV	Under Study (DISIS-2009-001)
GEN-2008-023	150	AEPW	Hobart Junction 138kV	Under Study (DISIS-2009-001)
GEN-2008-025	101	SUNC	Ruleton 115kV	Under Study (DISIS-2009-001)
GEN-2008-029	205.5	OKGE	Woodward EHV 138kV	Under Study (DISIS-2009-001)
GEN-2008-038	144	AEPW	Tap Shidler-West Pawhuska 138kV	Under Study (DISIS-2009-001)
GEN-2008-051	322	SWPS	Potter 345kV	Under Study (DISIS-2009-001)
GEN-2008-079	100.5	MKEC	TAP JUDSON LARGE-CUDAHY 115kV	Under Study (DISIS-2009-001)
GEN-2008-086N02	99	NPPD	TAP FT RANDALL-COLUMBUS 230kV	Under Study (DISIS-2009-001)
GEN-2008-092	201	MIDW	KNOLL 115kV	Under Study (DISIS-2009-001)
GEN-2008-119O	60	OPPD	TAP HUMBOLDT-KELLY (NORTH OF GEN-2007-015) 161kV	Under Study (DISIS-2009-001)
GEN-2008-124	200.1	MKEC	SPEARVILLE 230kV	Under Study (DISIS-2009-001)
GEN-2008-127	200.1	WERE	TAP SOONER-ROSE HILL 345kV	Under Study (DISIS-2009-001)
GEN-2008-129	46S/80W	MIPU	PLEASANT HILL 161kV	Under Study (DISIS-2009-001)
GEN-2009-006	60	AEPW	SE FAYETTEVILLE 161kV	Under Study (DISIS-2009-001)
GEN-2009-011	50	MKEC	TAP PLAINVILLE-PHILLIPSBURG 115kV	Under Study (DISIS-2009-001)
GEN-2009-016	170.2	AEPW	FALCON ROAD 138kV	Under Study (DISIS-2009-001)
GEN-2009-017	151.8	SPS	TAP PEMBROOK-STILES 138kV	Under Study (DISIS-2009-001)
GEN-2009-025	60	OKGE	Kaycoop 69kV	Under Study (DISIS-2009-001)
Llanoest	80	SPS	Llano Wind Farm Tap 115kV	On-Line
SPSDISTR	90	SPS	Dumas_19ST 115kV	On-Line
			Etter 115kV	On-Line
			Sherman 115kV	On-Line
			Spearman 115kV	On-Line
			Texas County 115kV	On-Line
BLUCAN2	151.2	WFEC	Washita 138kV (GEN-2003-004)	On-Line
			Washita 138kV (GEN-2004-023)	On-Line
			Washita 138kV (GEN-2005-003)	On-Line
Monte	112	MKEC	Haggard 115kV	On-Line
<b>GROUPED TOTAL</b>	<b>20897.3</b>			

\* Planned Facility  
 ^ Proposed Facility  
 \*\* Alternate requests - counted as one request for study purpose  
 \*\*\* Electrically Remote Interconnection Requests

**C: Study Groupings**

Cluster	Request	Amount	Area	Proposed Point of Interconnection
<b>Prior Queued</b>	GEN-2001-014	96	WFEC	Fort Supply 138kV
	GEN-2001-037	103	OKGE	Windfarm Switching 138kV
	GEN-2002-005	120	WFEC	Morewood - Elk City 138kV
	GEN-2005-008	120	OKGE	Woodward 138kV
	GEN-2006-046	130	OKGE	Dewey 138kV
	GEN-2007-006	160	OKGE	Roman Nose 138kV
	GEN-2007-021	201	OKGE	*Tatonga 345kV
	GEN-2007-044	300	OKGE	*Tatonga 345kV
	GEN-2007-050	200	OKGE	*Woodward 345kV
	GEN-2007-051	200	WFEC	Mooreland 138kV
	GEN-2007-060	202	OKGE	*Tatonga 345kV
	GEN-2007-061	200	OKGE	*Woodward 345kV
	GEN-2007-062**	765	OKGE	*Woodward 345kV
	GEN-2008-003	101	OKGE	*Woodward EHV 138kV
	GEN-2008-013	300	OKGE	Wichita - Woodring 345kV
GEN-2008-019**	300	OKGE	*Tatonga 345kV	
GEN-2008-029	250.5	OKGE	Woodward 345kv	
<b>PRIOR QUEUED SUBTOTAL</b>		<b>3,748.5</b>		
Cluster	Request	Amount	Area	Proposed Point of Interconnection
<b>Woodward</b>	GEN-2008-086	250	WFEC	Woodward 345kV Substation
	GEN-2008-103	300	WFEC	Woodward 345kV Substation
	GEN-2008-112	500	WFEC	Woodward 345kV Substation
	GEN-2008-115	200	WFEC	Woodward 345kV Substation
<b>WOODWARD SUBTOTAL</b>		<b>1250</b>		
<b>AREA SUBTOTAL</b>		<b>4998.5</b>		

Cluster	Request	Amount	Area	Proposed Point of Interconnection
Prior Queued	SPS Distribution	90	SPS	Various
	GEN-2002-006	150	SPS	Texas County 115kV
	GEN-2002-008	240	SPS	*Hitchland 345kV
	GEN-2002-009	80	SPS	Hansford County 115kV
	GEN-2003-013	198	SPS	*Hitchland - Finney 345kV
	GEN-2003-020	160	SPS	Carson County 115kV
	GEN-2005-002	80	SPS	Pringle - Riverview 230kV
	GEN-2005-017	340	SPS	*Hitchland - Potter County 345kV
	GEN-2006-020	20	SPS	*Hitchland - Sherman County Tap
	GEN-2006-044	370	SPS	*Hitchland 345kV
	GEN-2006-049	400	SPS	*Hitchland - Finney 345kV
	GEN-2007-005	200	SPS	Pringle 115kV
	GEN-2007-033	200	SPS	Pringle - Harrington-Nichols 230kV
	GEN-2007-041	600	SPS	*Hitchland 345kV
	GEN-2007-042	360	SPS	*Hitchland 345kV
	GEN-2007-046	200	SPS	*Hitchland 115kV
GEN-2007-056	600	SPS	*Hitchland 345kV	
GEN-2007-057	35	SPS	Moore County East 115kV	
<b>PRIOR QUEUED SUBTOTAL</b>		<b>4,323</b>		
Cluster	Request	Amount	Area	Proposed Point of Interconnection
Hitchland	GEN-2008-082	200	SWPS	Woodward-Hitchland 345kV
	GEN-2008-090	300	WFEC	Woodward-Hitchland 345kV
	GEN-2008-109	150	SWPS	Hitchland - Texas County 115kV
	GEN-2009-023S	18	SWPS	Exell 115kV Substation
	GEN-2009-024S	18	SWPS	Exell 115kV Substation
	GEN-2009-033	87	SWPS	Perryton 115kV
	GEN-2009-041	300	SWPS	Moore County - Hitchland 230kV
<b>HITCHLAND SUBTOTAL</b>		<b>1073</b>		
<b>AREA SUBTOTAL</b>		<b>5393</b>		

Cluster	Request	Amount	Area	Proposed Point of Interconnection
Prior Queued	Lano Estacada	80	SPS	Lano Estacada 115kV
	GEN-2002-022	240	SPS	Bushland 230kV
	GEN-2004-003	240	SPS	Conway 115kV
	GEN-2005-021	86	SPS	Kirby 115kV
	GEN-2006-039	400	SPS	Tap and Tie both Potter County - Plant X 230kV and Bushland - Deaf Smith 230kV
	GEN-2006-045	240	SPS	Dewey 138kV
	GEN-2006-047	240	SPS	Tap and Tie both Potter County - Plant X 230kV and Bushland - Deaf Smith 230kV
	GEN-2007-002	160	SPS	Grapevine 115kV
	GEN-2007-008	300	SPS	^Grapevine 345kV
	GEN-2007-010	200	SPS	Potter County - Plant X 230kV
	GEN-2007-026	130	SPS	Potter County - Plant X 230kV
	GEN-2007-030	200	SPS	^Grapevine 345kV
	GEN-2007-045	171	SPS	^Grapevine 345kV
	GEN-2007-048	400	SPS	Amarillo South - Swisher County 230kV
GEN-2008-051	322	SPS	Potter	
<b>PRIOR QUEUED SUBTOTAL</b>		<b>3,409</b>		
Cluster	Request	Amount	Area	Proposed Point of Interconnection
Amarillo	GEN-2008-067	160	SWPS	Hereford Substation 115kV
	GEN-2008-084	300	SWPS	Bushland 230kV
	GEN-2008-120	239.2	SWPS	Potter - Plant X 230kV
	GEN-2009-042	450	WFEC	Tuco - Woodward 345kV
	GEN-2009-044S	18	SWPS	Claytonville 69kV Substation
<b>AMARILLO SUBTOTAL</b>		<b>1167.2</b>		
<b>AREA SUBTOTAL</b>		<b>4576.2</b>		

Cluster	Request	Amount	Area	Proposed Point of Interconnection
Prior Queued	GEN-2001-033	180	SPS	San Juan Mesa Tap 230kV
	GEN-2001-036	80	SPS	Caprock Tap 115kV
	GEN-2005-010	160	SPS	Roosevelt County - Tolk West 230kV (Single Ckt Tap)
	GEN-2005-015	150	SPS	TUCO - Oklaunion 345kV
	GEN-2006-048	150	SPS	Seven Rivers 115kV
	GEN-2007-004	150	SPS	Amoco Switching - Yoakum County 230kV
	GEN-2007-027	60	SPS	Curry County - Norton 115kV
	GEN-2007-034	150	SPS	Tolk - Eddy County 345kV
	GEN-2007-055	250	SPS	Tolk - Eddy County 345kV
	GEN-2008-007	102	SPS	Grassland 230kV
	GEN-2008-008	60	SPS	Graham 115kV
	GEN-2008-009	60	SPS	San Juan Mesa 230kV
	GEN-2008-014	150	SPS	TUCO - Oklaunion 345kV
	GEN-2008-015	150	SPS	TUCO - Oklaunion 345kV
	GEN-2008-016	248	SPS	Grassland 230kV
GEN-2009-017	151.8	SPS	Pembrook – Stiles 138kV	
<b>PRIOR QUEUED SUBTOTAL</b>		<b>2,258.8</b>		
Cluster	Request	Amount	Area	Proposed Point of Interconnection
New Mexico & West Texas	GEN-2008-069	298.5	SWPS	Eddy-Tolk 345kV
	GEN-2008-072	300	SWPS	Lamb County 230kV
	GEN-2008-093	525	SWPS	Tolk - Eddy 345kV
	GEN-2008-101	34.2	SWPS	Hobbs 115kV
	GEN-2008-102	34.2	SWPS	San Juan 230kV
	GEN-2008-121	149.5	SWPS	Tuco - Oklaunion 345kV
	GEN-2008-130	300	SWPS	Tuco - Oklaunion 345kV
	GEN-2008-131	128	SWPS	Sundown to Wolfforth 230kV
	GEN-2008-132	604	SWPS	Hobbs 345kV
	GEN-2008-135	531	SWPS	Midland Substation 230kV
	GEN-2008-136	1062	SWPS	Midland Substation 230kV
	GEN-2009-001	128	SWPS	Jones Power Plant substation 230kV
	GEN-2009-002	306	SWPS	Jones Power Plant substation 230kV
	GEN-2009-007	550	SWPS	Midland Substation 230kV
	GEN-2009-038	200	SWPS	Hobbs 230kV
GEN-2009-039	147	SWPS	Eddy-Tolk 345kV	
<b>NM &amp; WEST TEXAS AREA SUBTOTAL</b>		<b>5297.4</b>		
<b>AREA SUBTOTAL</b>		<b>7556.2</b>		



Cluster	Request	Amount	Area	Proposed Point of Interconnection
<b>Prior Queued</b>	GEN-2001-026	74	WFEC	Washita 138kV
	GEN-2003-004	101	WFEC	Washita 138kV
	GEN-2003-005	100	WFEC	Anadarko - Paradise 138kV
	GEN-2003-022	120	AEPW	Washita 138kV
	GEN-2004-020	27	AEPW	Washita 138kV
	GEN-2004-023	21	WFEC	Washita 138kV
	GEN-2005-003	31	WFEC	Washita 138kV
	GEN-2006-002	150	AEPW	Grapevine - Elk City 230kV
	GEN-2006-035	225	AEPW	Grapevine - Elk City 230kV
	GEN-2006-043	99	AEPW	Grapevine - Elk City 230kV
	GEN-2007-032	150	WFEC	Clinton Junction - Clinton 138kV
	GEN-2007-043	300	AEPW	Lawton Eastside - Cimarron 345kV
	GEN-2007-049	60	WFEC	Carter Junction 69kV
	GEN-2007-052	150	WFEC	Anadarko 138kV
	GEN-2008-023	150	AEPW	Hobart Junction 138kV
GEN-2009-016	170.2	AEPW	Falcon Road 138kV	
<b>PRIOR QUEUED SUBTOTAL</b>		<b>1928.2</b>		
Cluster	Request	Amount	Area	Proposed Point of Interconnection
<b>SW Oklahoma</b>	GEN-2008-077	220	WFEC	Midpoint - Woodward 345kV
<b>SW OKLAHOMA SUBTOTAL</b>		<b>220</b>		
<b>AREA SUBTOTAL</b>		<b>2148.2</b>		

Cluster	Request	Amount	Area	Proposed Point of Interconnection
<b>Prior Queued</b>	<b>None</b>	<b>0</b>		
<b>PRIOR QUEUED SUBTOTAL</b>		<b>0</b>		
Cluster	Request	Amount	Area	Proposed Point of Interconnection
<b>South Oklahoma</b>	GEN-2009-034	102	WFEC	Cimmaron - Lawton 345kV
	GEN-2009-035	102	WFEC	Cimmaron - Lawton 345kV
	GEN-2009-036	202	OKGE	Sunny Side - Lawton 345kV
	GEN-2009-037	202	OKGE	Sunny Side - Lawton 345kV
	GEN-2009-032S	5.3	OKGE	Foster substation 138kV
<b>AREA SUBTOTAL</b>		<b>613.3</b>		

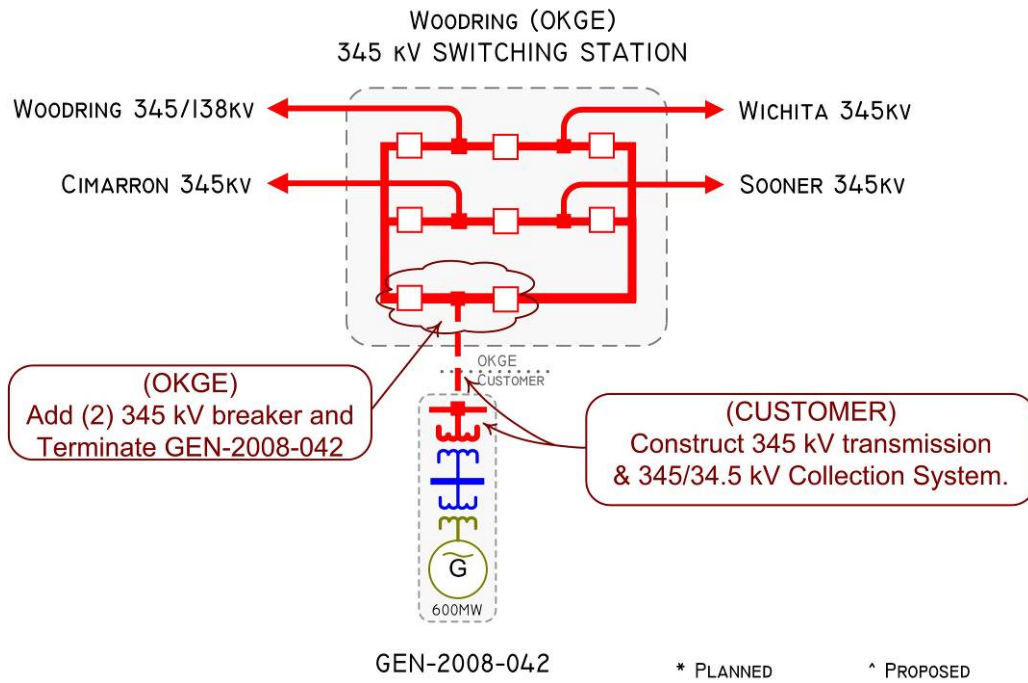
Cluster	Request	Amount	Area	Proposed Point of Interconnection
<b>Prior Queued</b>	GEN-2006-021	100	MKEC	Flat Ridge 138kV
	GEN-2006-022	150	MKEC	Pratt 115kV
	GEN-2007-025	300	WERE	Comanche – Medicine Lodge 345kV
	GEN-2008-013	300	OKGE	Wichita – Woodring 345kV
	GEN-2008-021	150	WERE	Wolf Creek 25kV
	GEN-2008-038	150	WERE	Shidler – West Pawhuska 138kV
	GEN-2008-127	200.1	WERE	Sooner – Rose Hill 345kV
	GEN-2009-025	60	OKGE	Deer Creek – Sinclair Blackwell 115kV
<b>PRIOR QUEUED SUBTOTAL</b>		<b>1410.1</b>		

Cluster	Request	Amount	Area	Proposed Point of Interconnection
<b>North Oklahoma</b>	GEN-2008-042	600	OKGE	Woodring 345kV Substation
	GEN-2008-043	600	OKGE	Woodring 345kV Substation
	GEN-2008-073	300	WERE	Wichita - Woodring 345kV
	GEN-2008-074	300	WERE	Wichita - Woodring 345kV
	GEN-2008-075	300	WERE	Wichita - Woodring 345kV
	GEN-2008-076	300	WERE	Wichita - Woodring 345kV
	GEN-2008-091	300	OKGE	Woodring - Wichita 345kV
	GEN-2008-096	100	WERE	Wichita - Woodring 345kV
	GEN-2008-097	100	WERE	Wichita - Woodring 345kV
	GEN-2008-104	100	OKGE	Otter to Cow Creek 138kV
	GEN-2008-105	100	OKGE	Sooner to Spring Creek 345kV
	GEN-2008-106	100	OKGE	Woodring - Cimarron 345kV
	GEN-2008-107	100	OKGE	Woodring - Cimarron 345kV
	GEN-2008-111	400	OKGE	Sooner 345kV substation 345kV
	GEN-2008-113	100	OKGE	Woodring - Sooner 345kV
	GEN-2008-114	100	OKGE	Woodring - Cimarron 345kV
	GEN-2008-126	240	OKGE	Woodring 345kV Substation
GEN-2008-134	300	OKGE	Woodring - Cimarron 345kV	
<b>NORTH OKLAHOMA</b>		<b>4440</b>		
<b>AREA SUBTOTAL</b>		<b>5850.1</b>		
<b>***CLUSTERED TOTAL (w/o PRIOR QUEUED)</b>		<b>13546.7</b>		
<b>***CLUSTERED TOTAL (w/PRIOR QUEUED)</b>		<b>31624.3</b>		

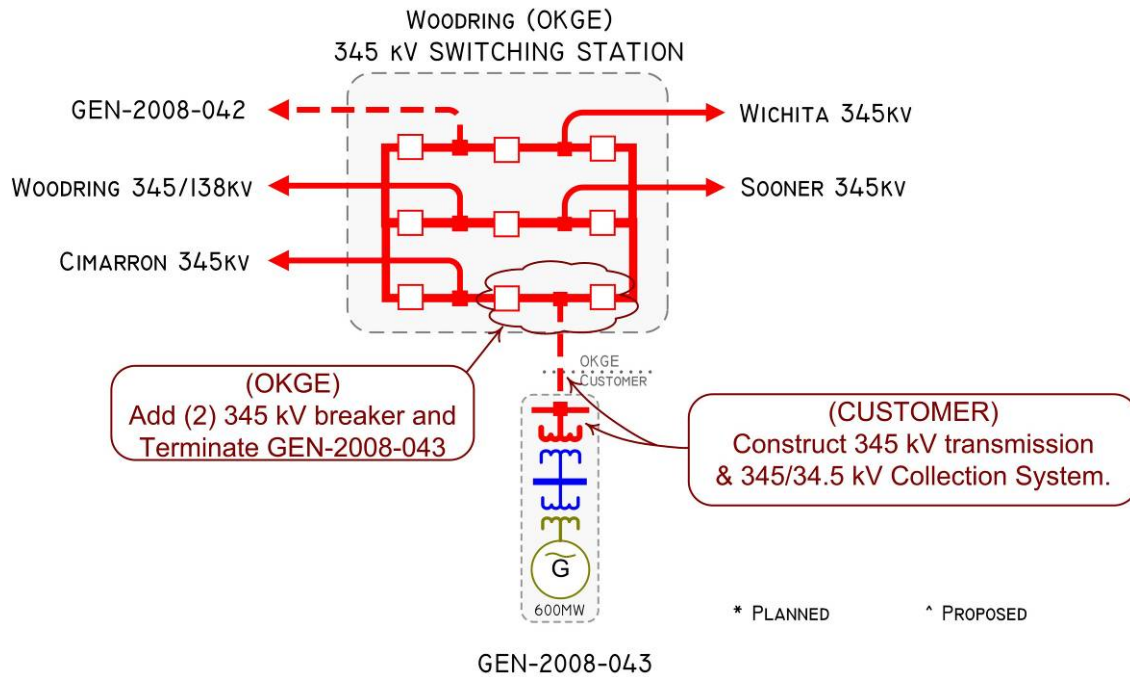
- \* Planned Facility
- ^ Proposed Facility
- \*\* Alternate requests - counted as one request for study purpose
- \*\*\* Electrically Remote Interconnection Requests

### D: Proposed Point of Interconnection One line Diagrams

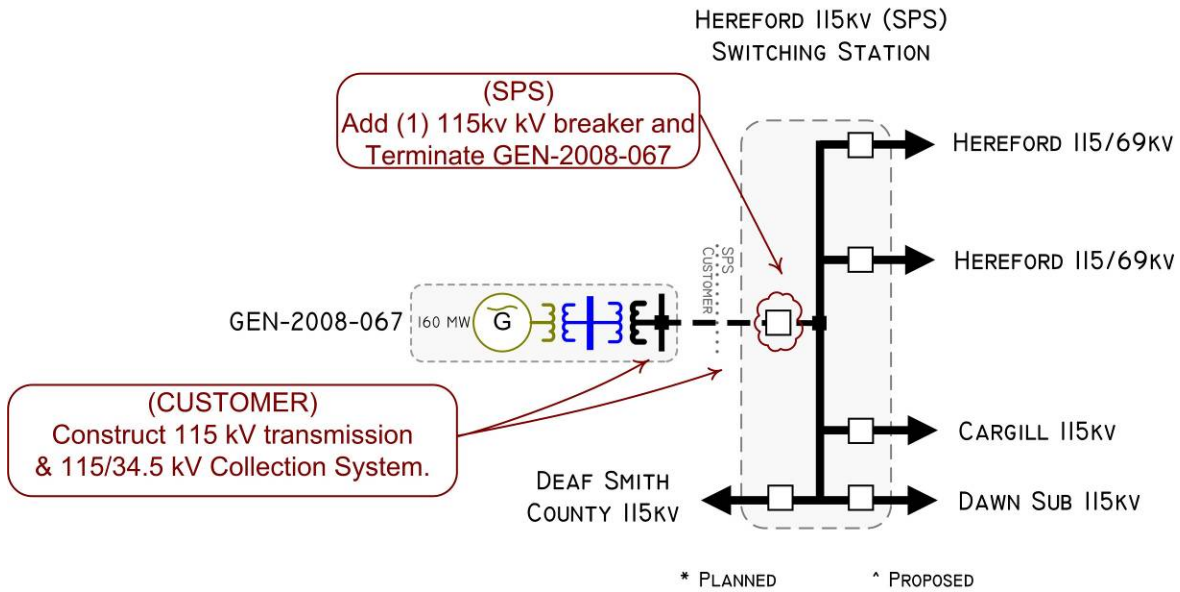
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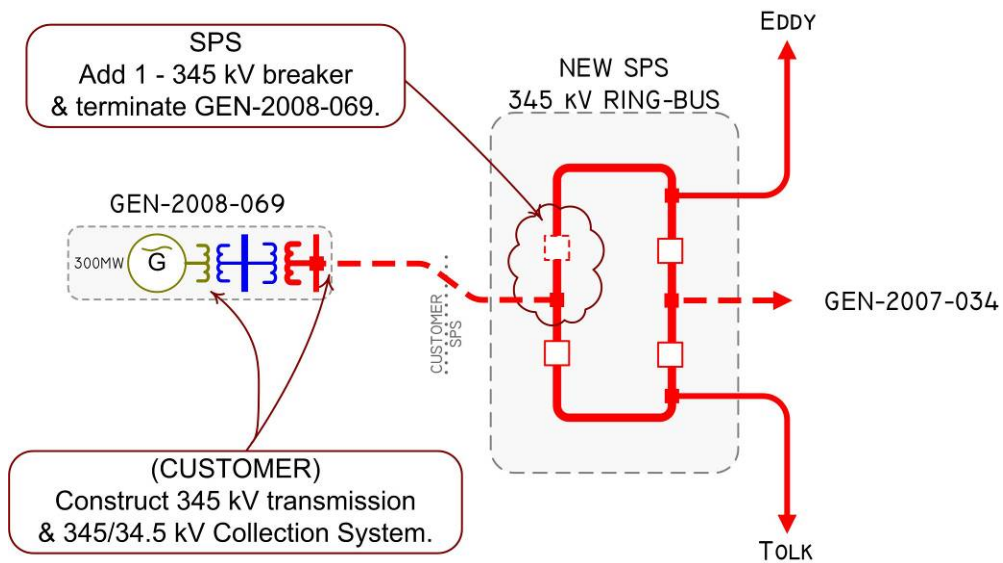
GEN-2008-043



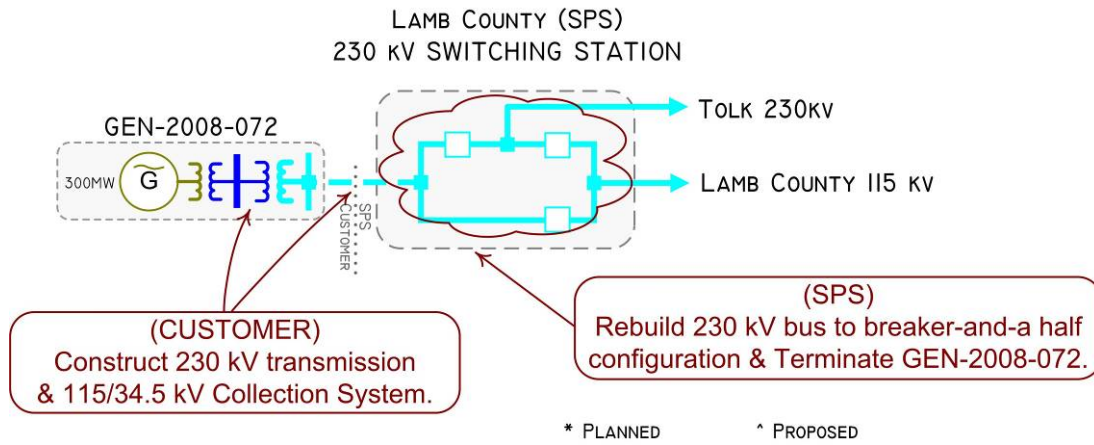
GEN-2008-067



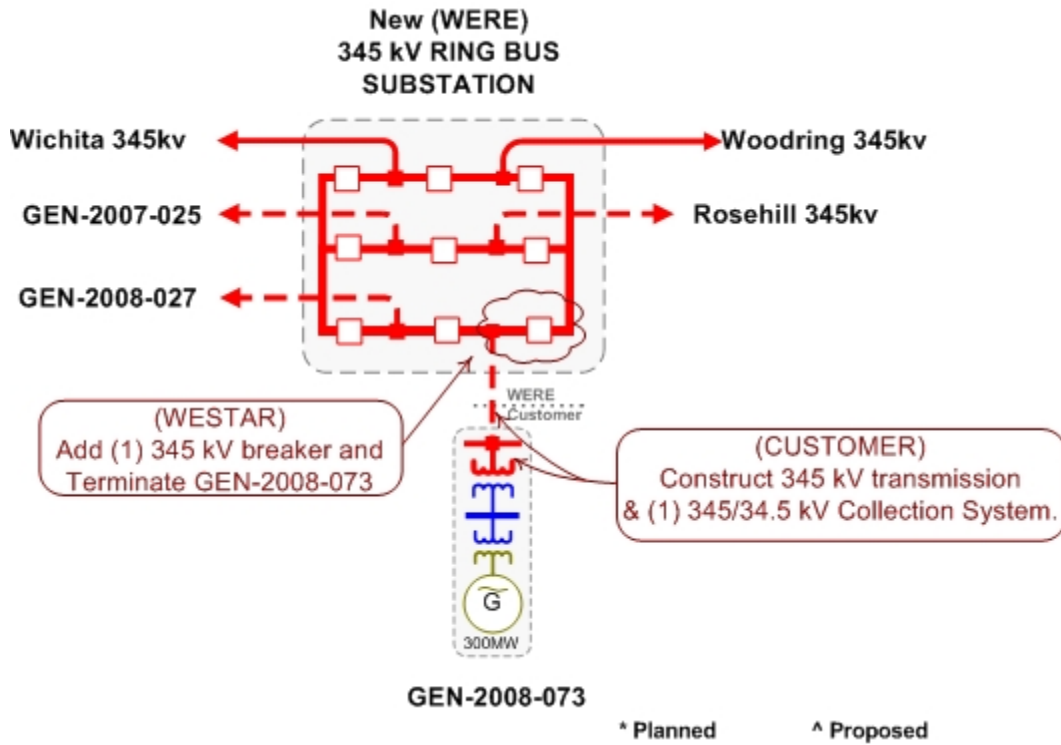
GEN-2008-069



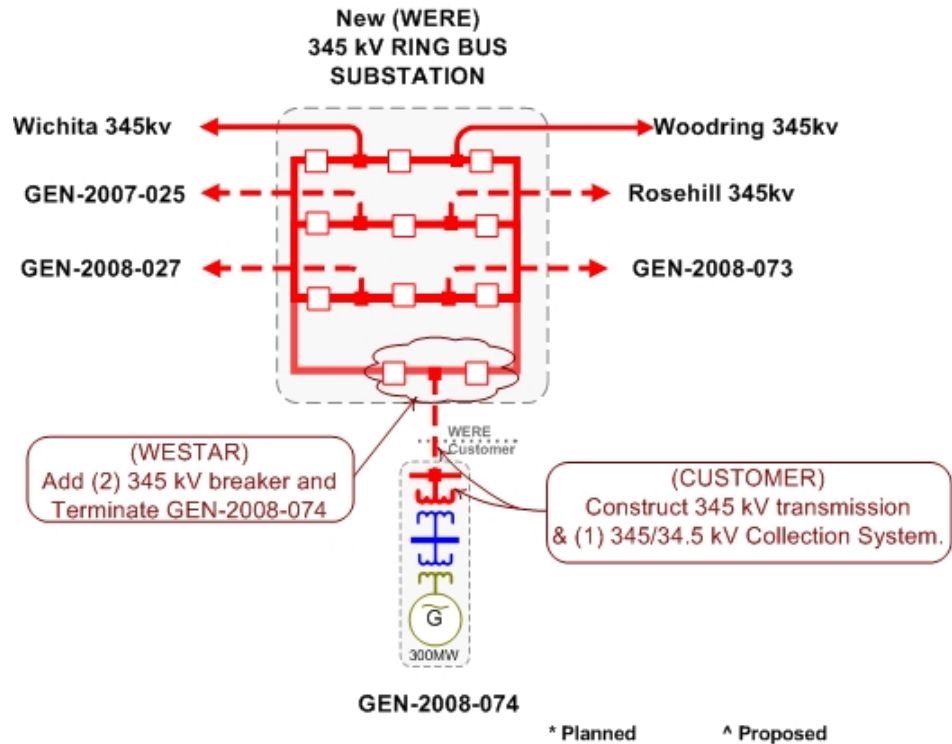
GEN-2008-072



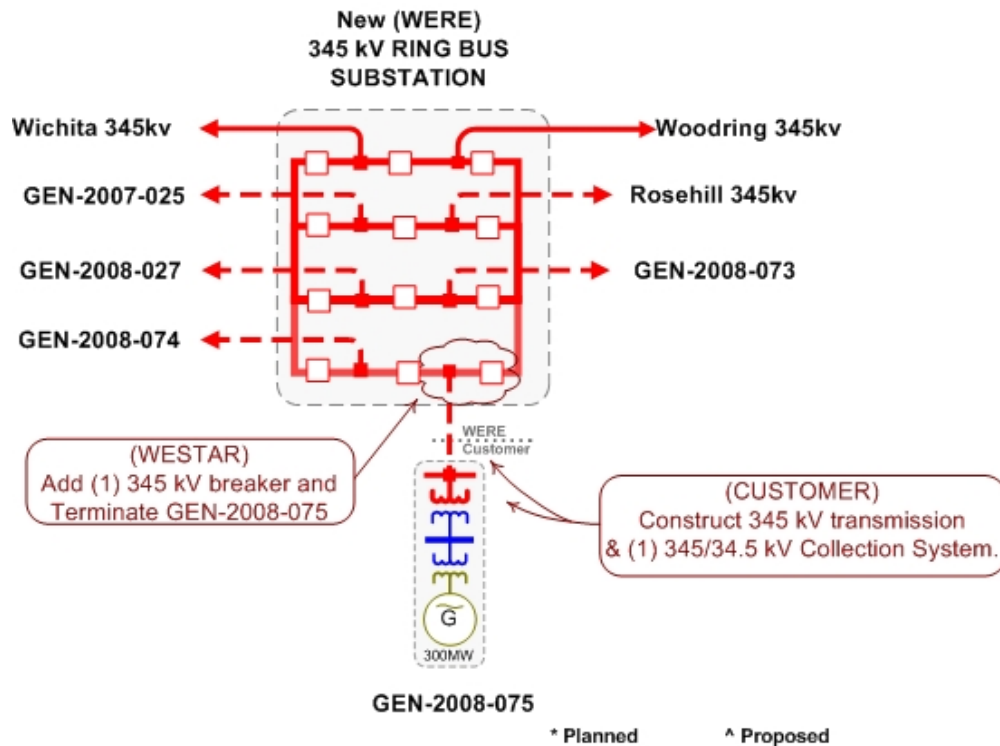
GEN-2008-073



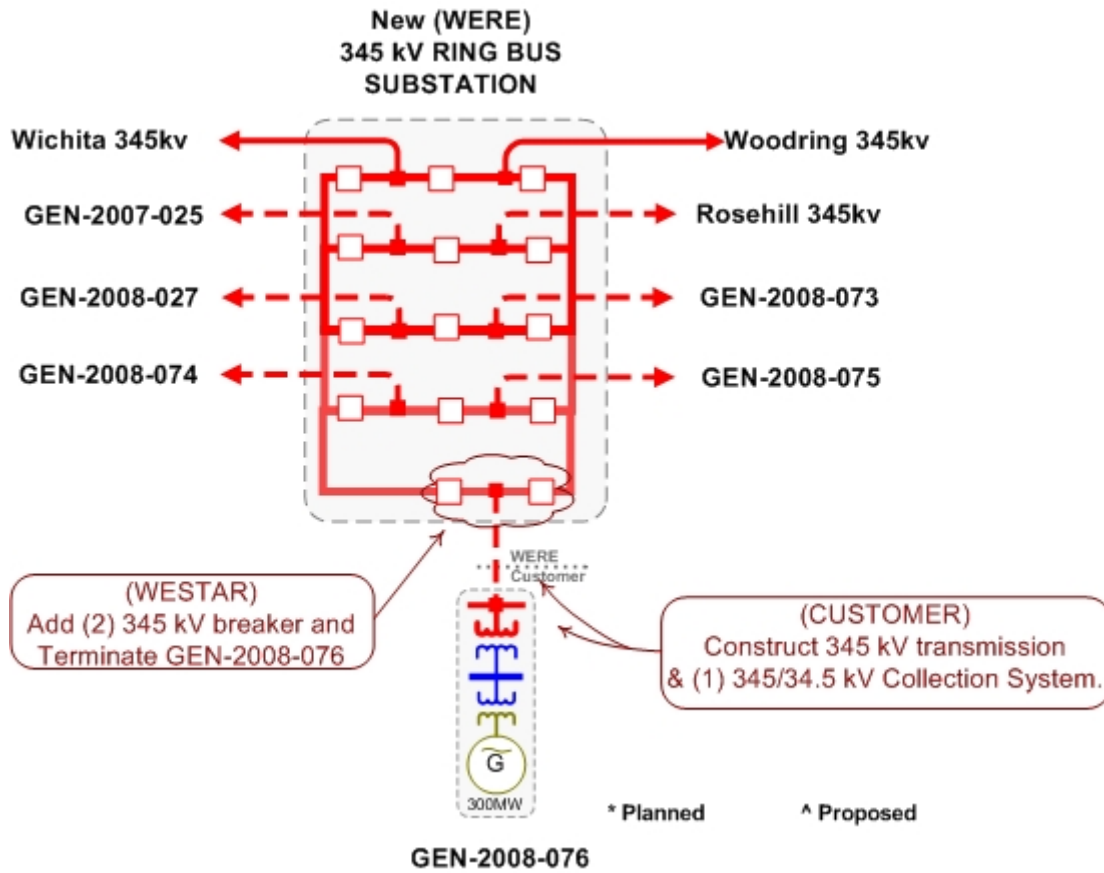
GEN-2008-074



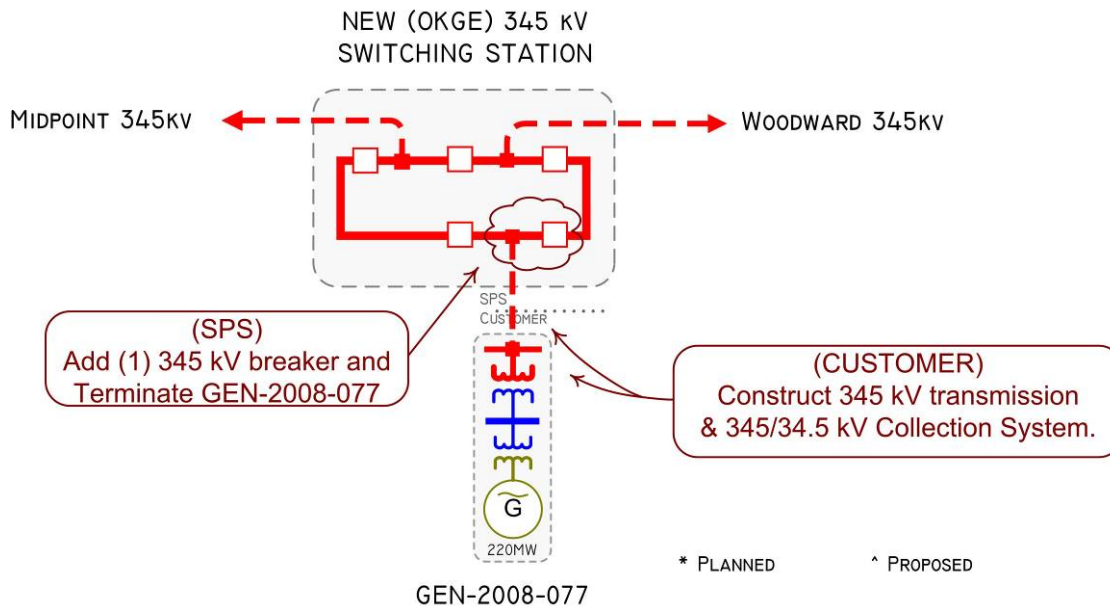
GEN-2008-075



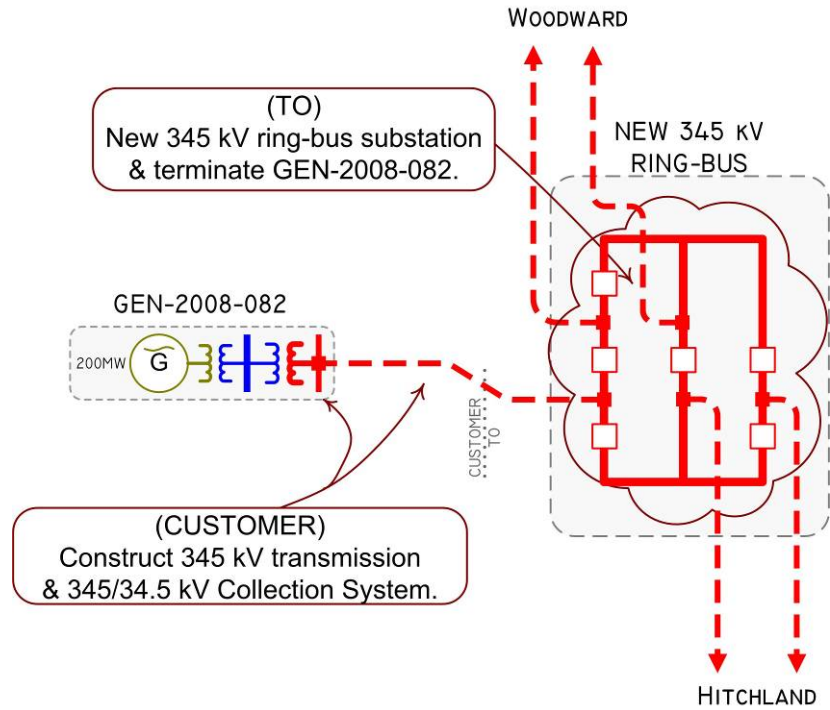
GEN-2008-076



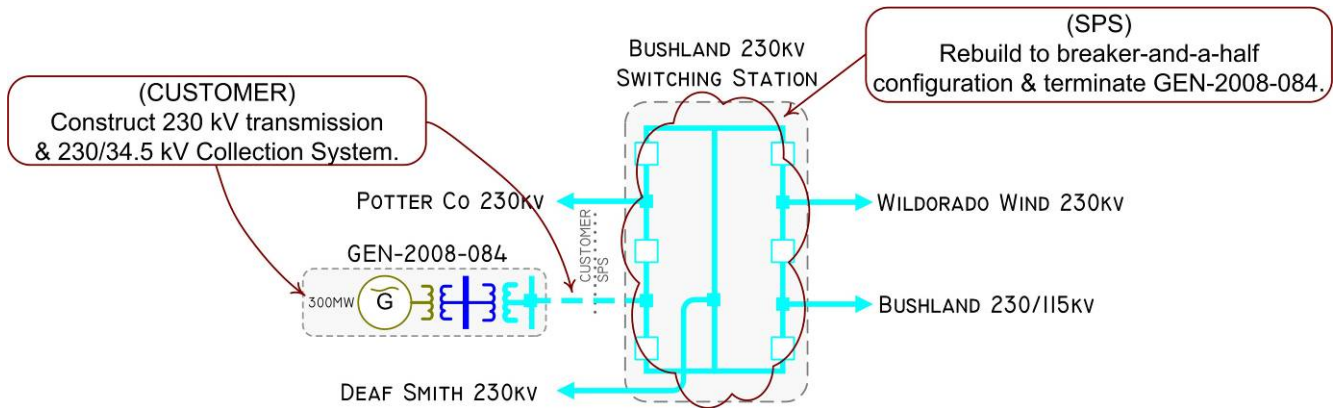
GEN-2008-077



GEN-2008-082

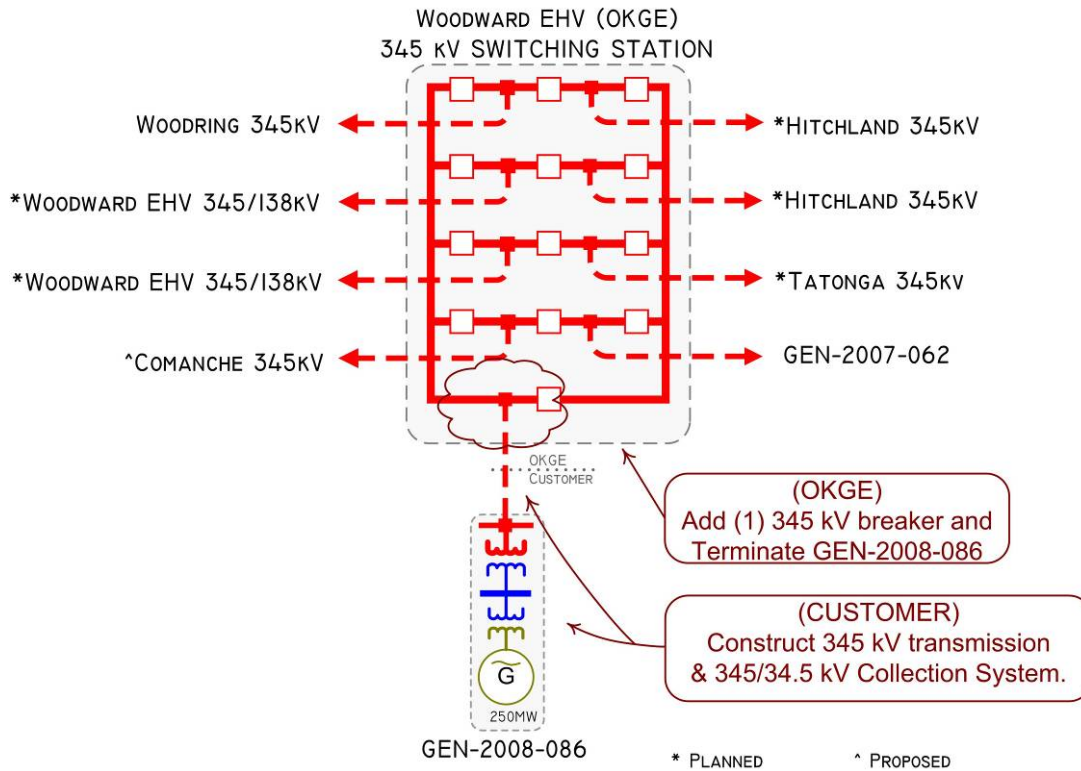


GEN-2008-084

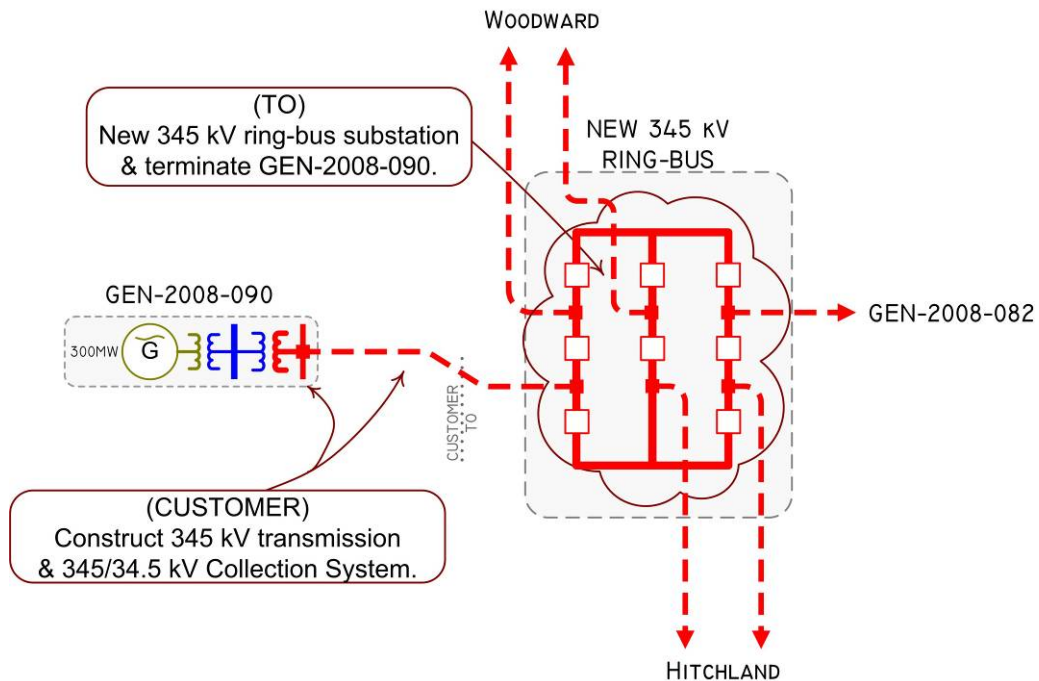




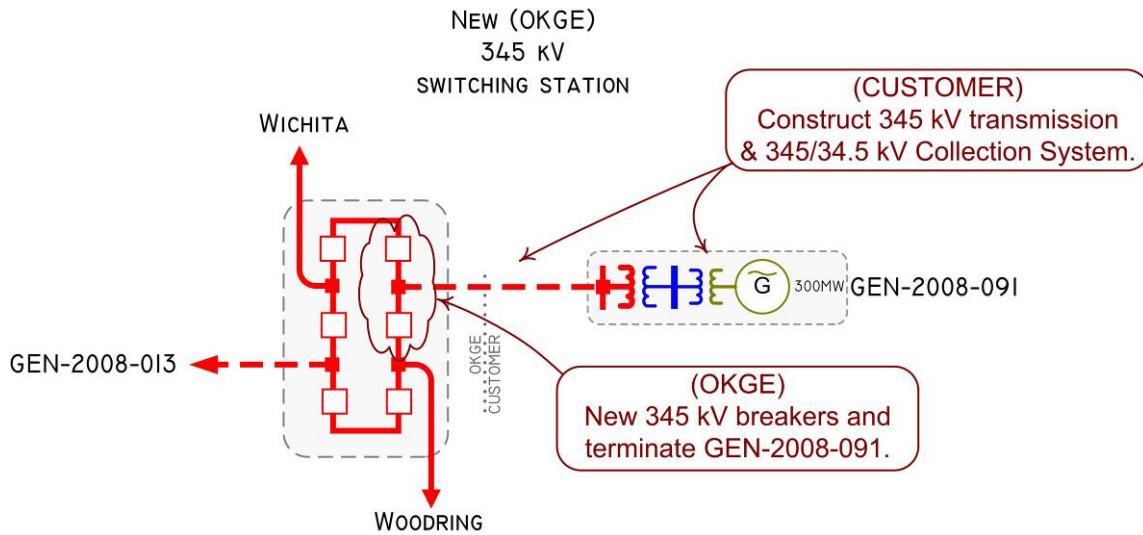
GEN-2008-086



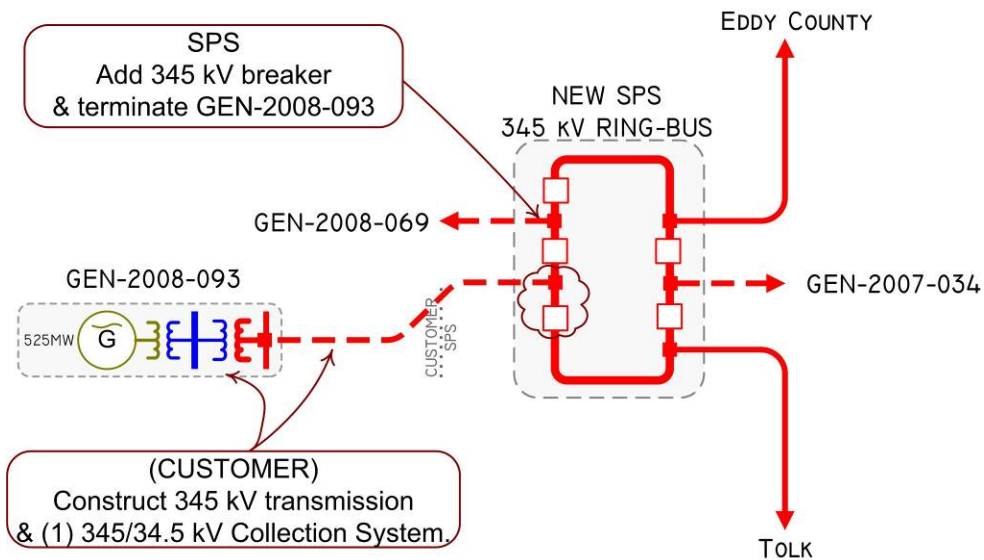
GEN-2008-090



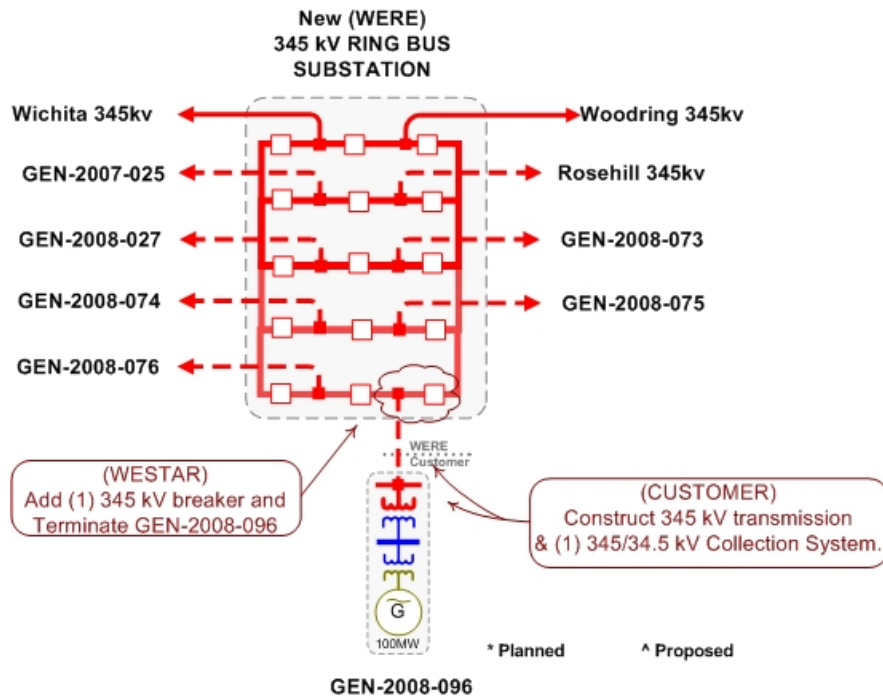
GEN-2008-091



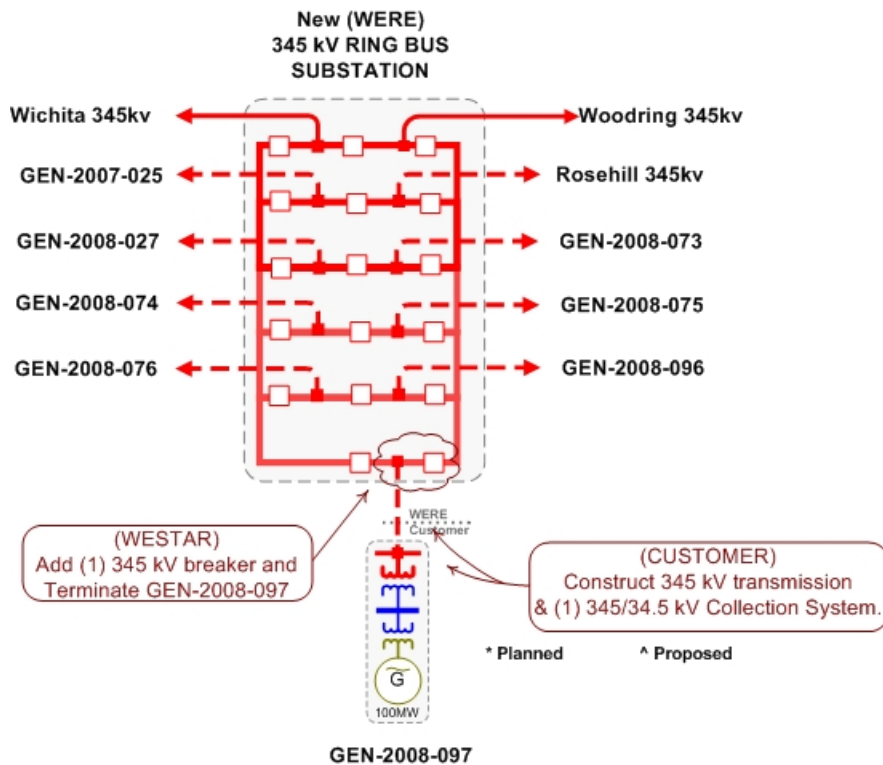
GEN-2008-093



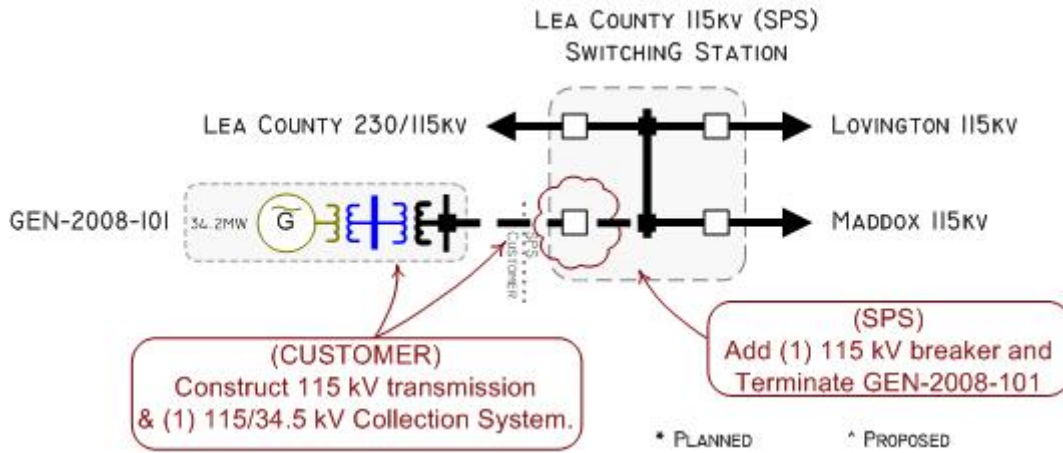
GEN-2008-096



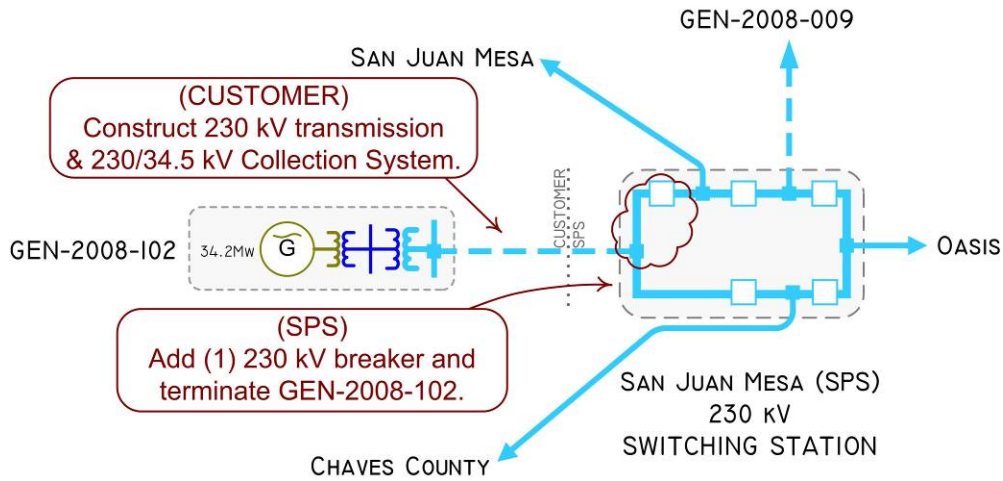
GEN-2008-097



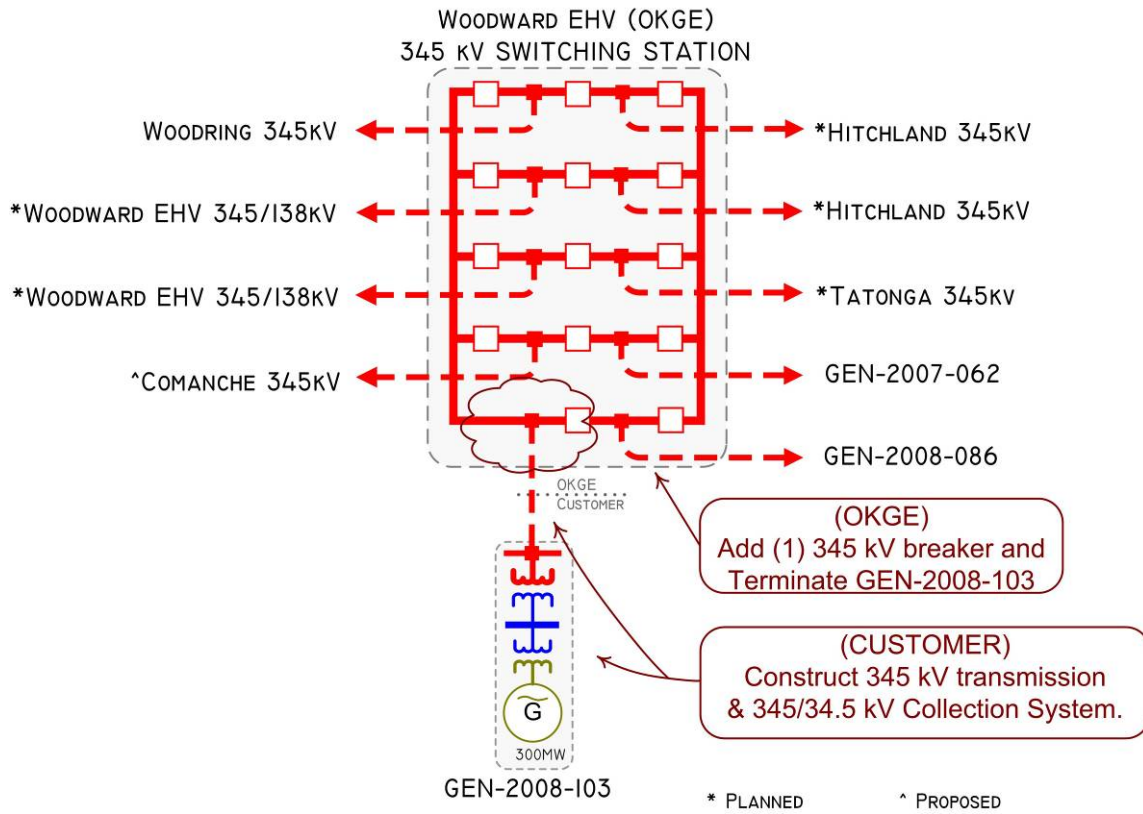
GEN-2008-101



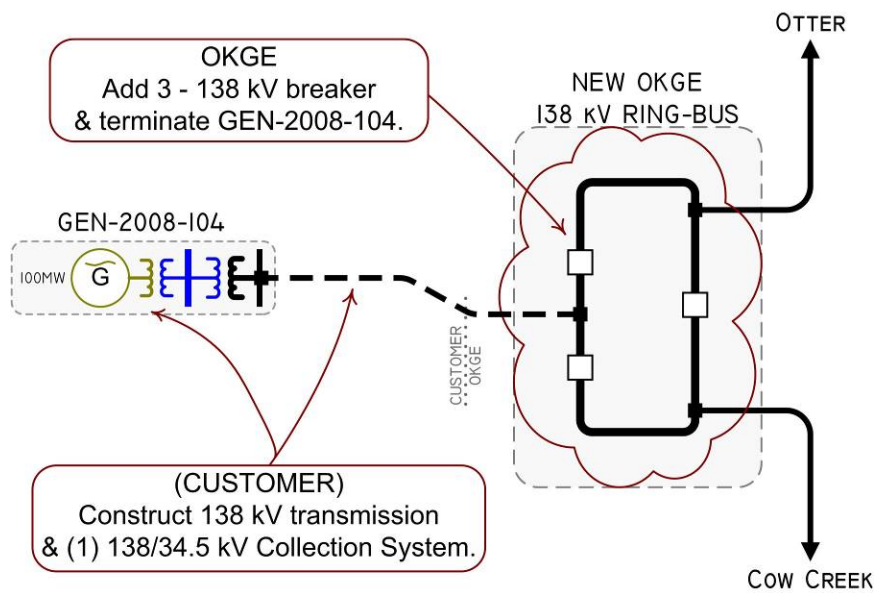
GEN-2008-102



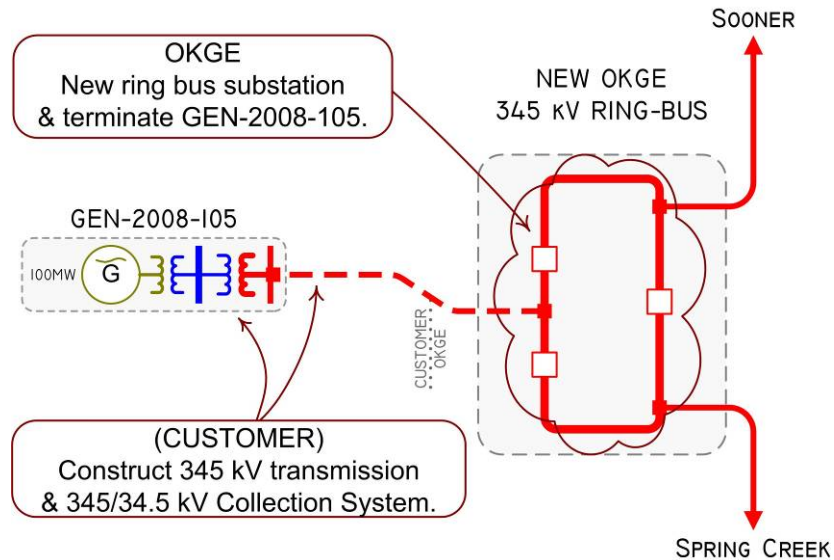
GEN-2008-103



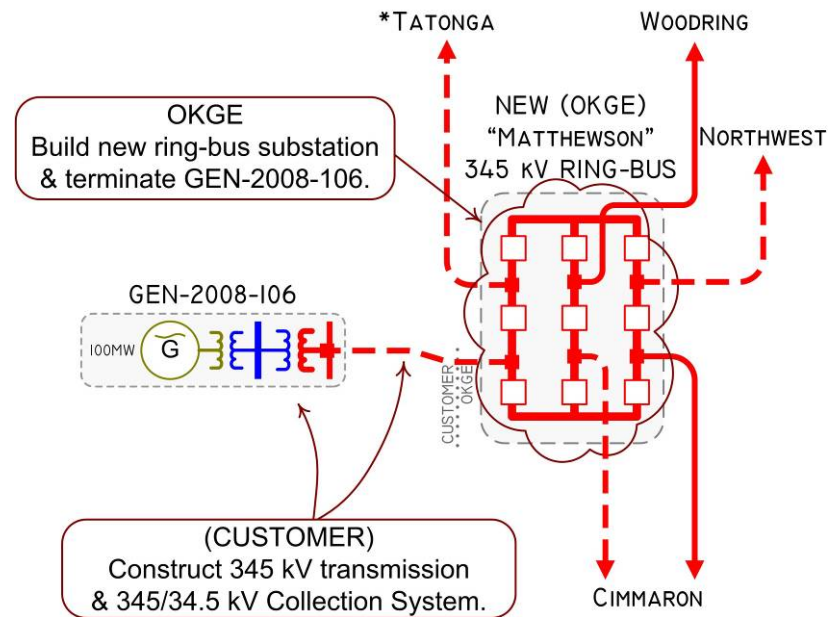
GEN-2008-104



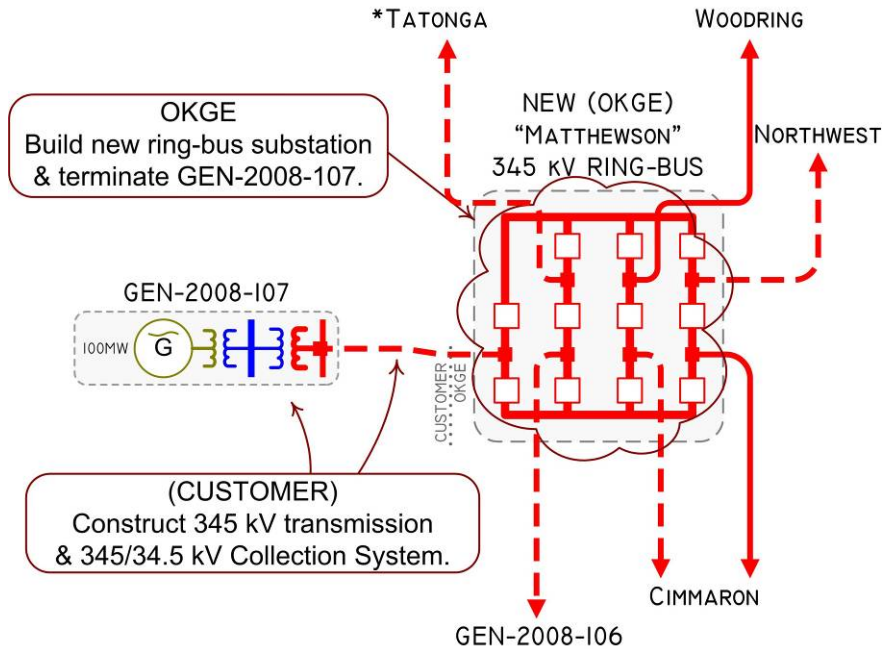
GEN-2008-105



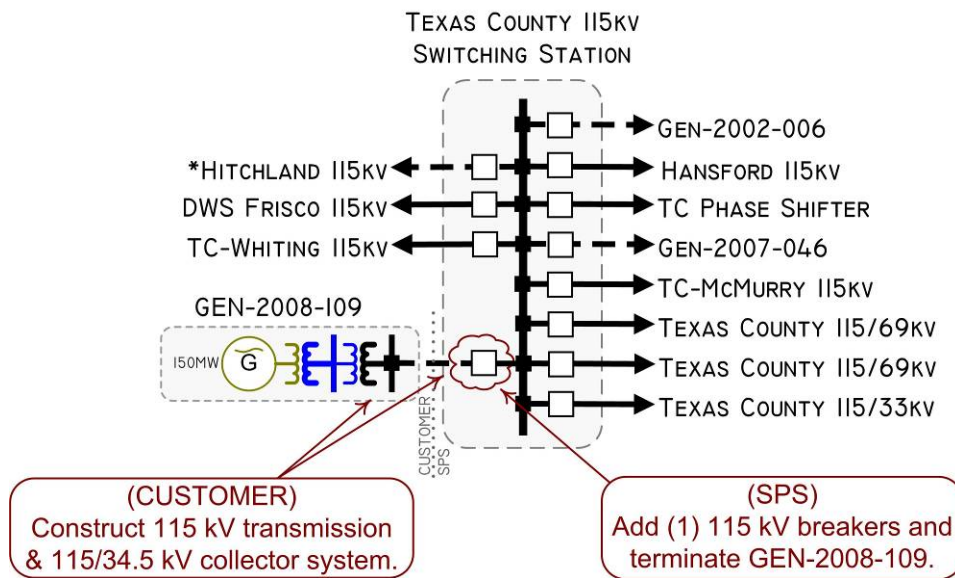
GEN-2008-106



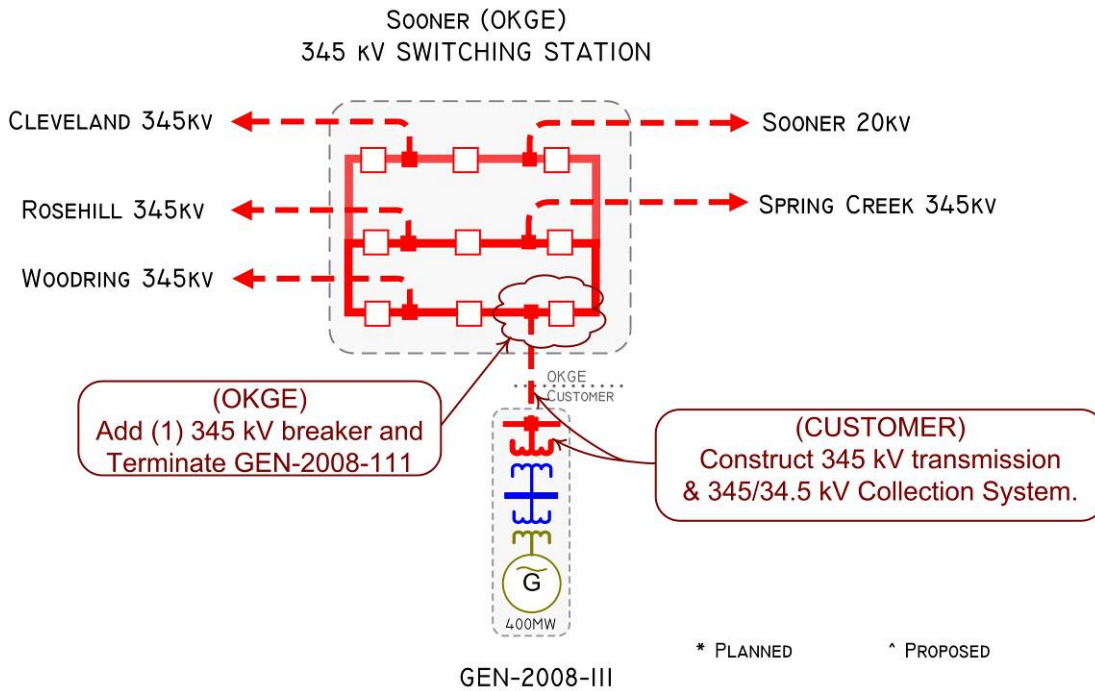
GEN-2008-107



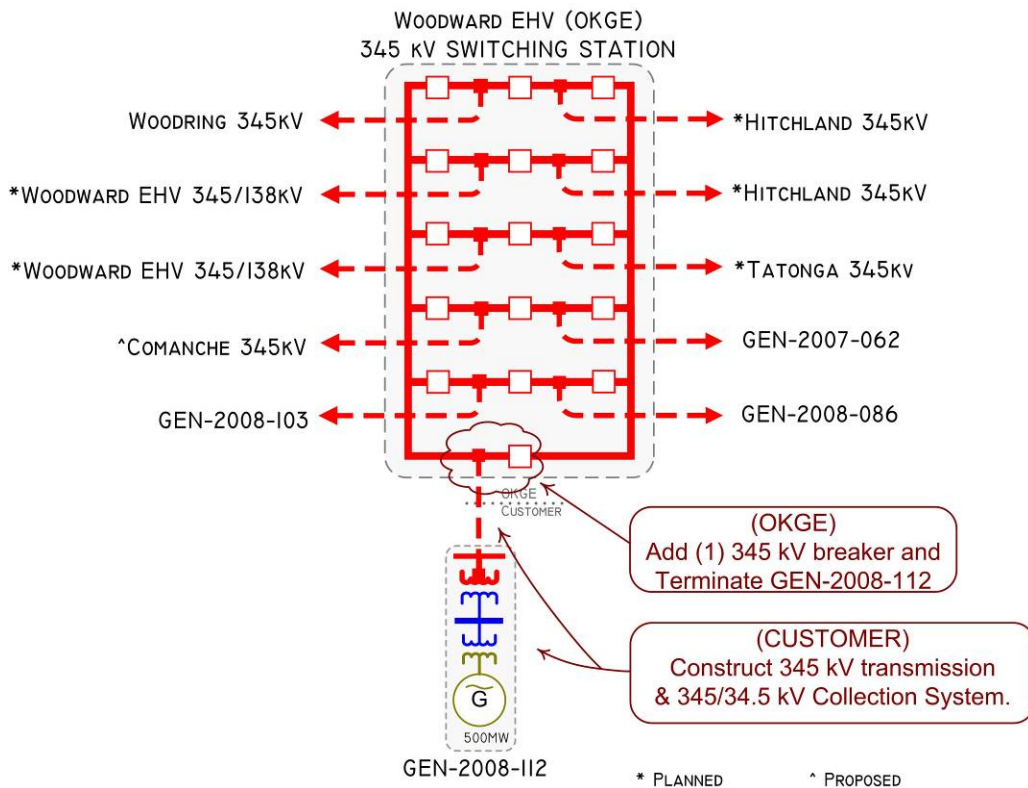
GEN-2008-109



GEN-2008-111

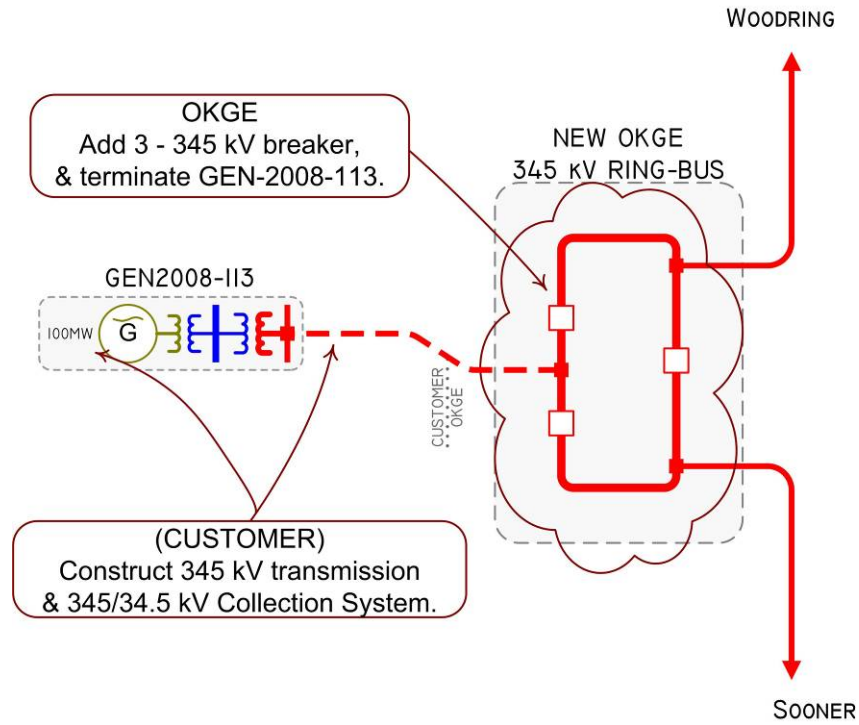


GEN-2008-112

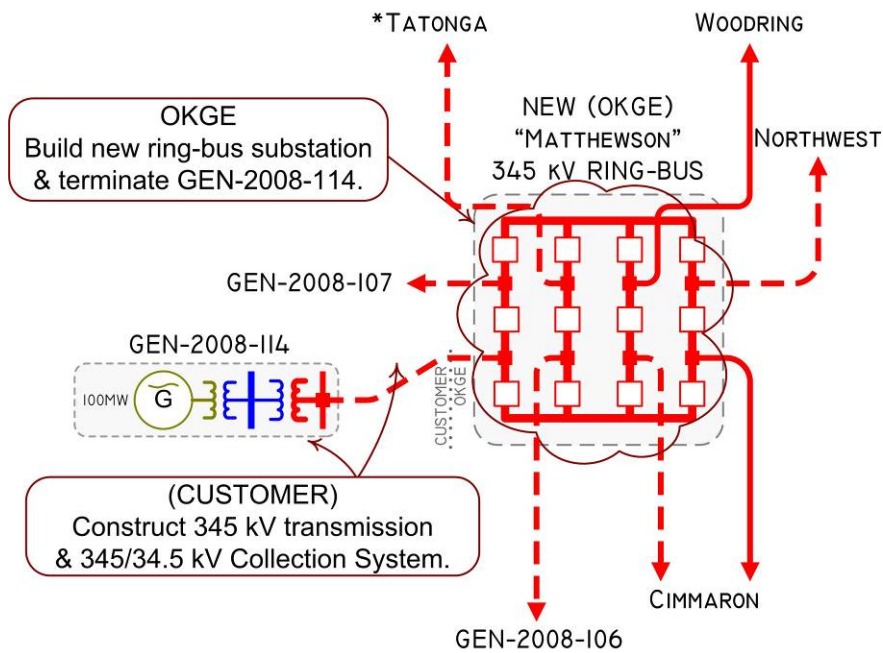




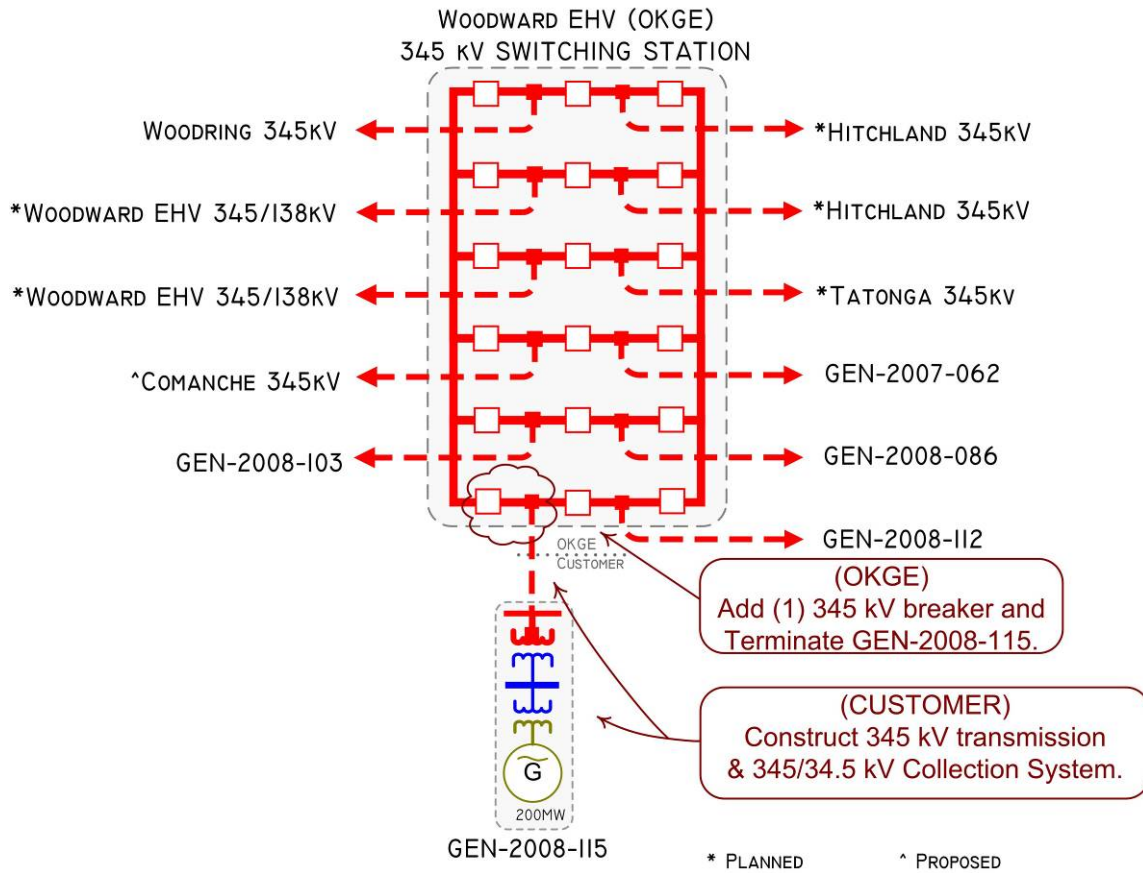
GEN-2008-113



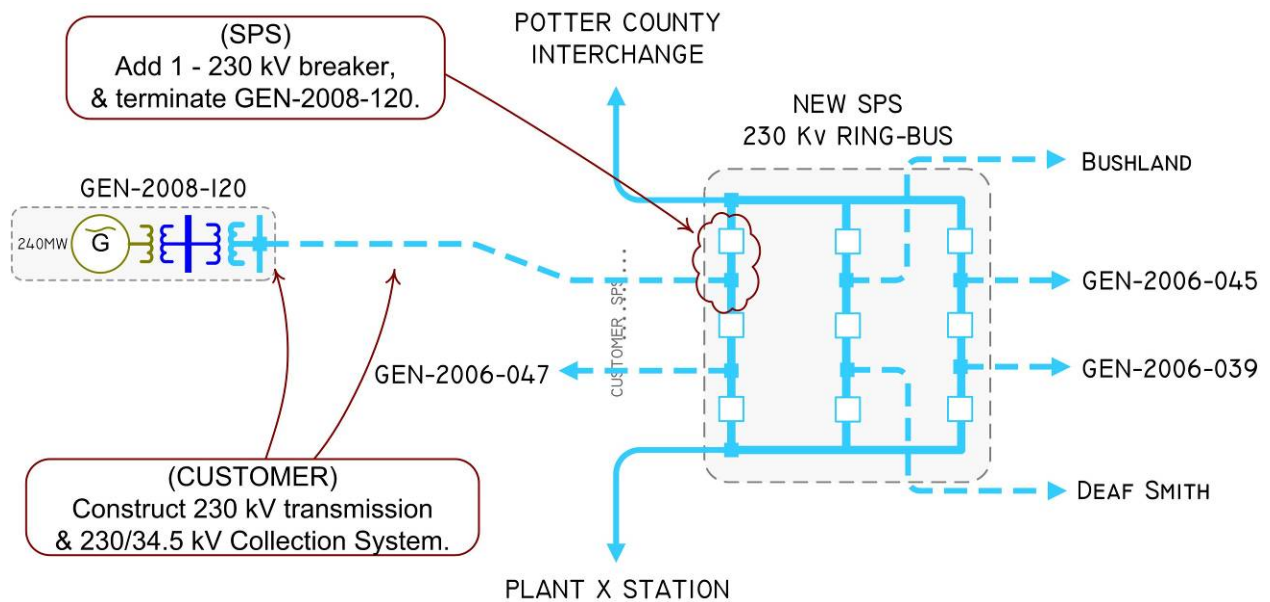
GEN-2008-114



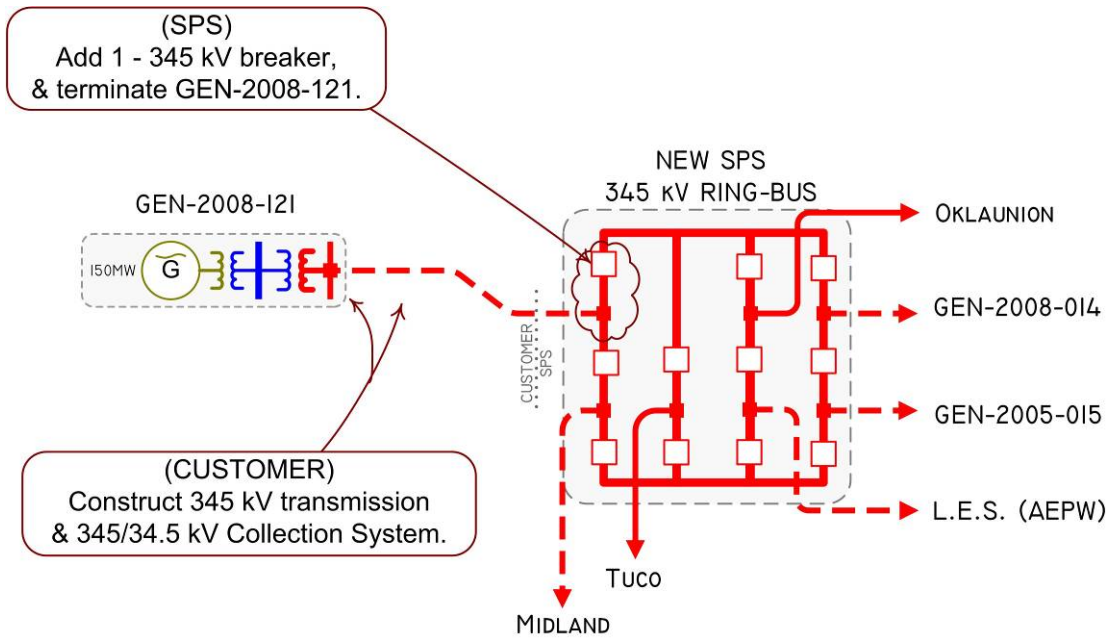
GEN-2008-115



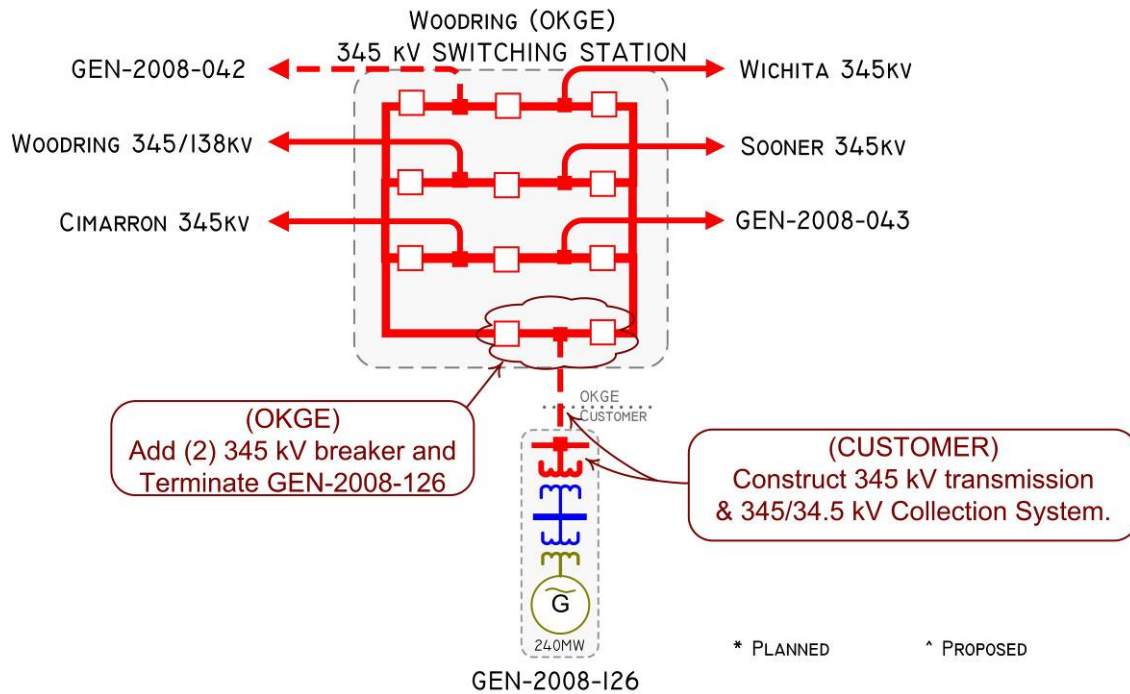
GEN-2008-120



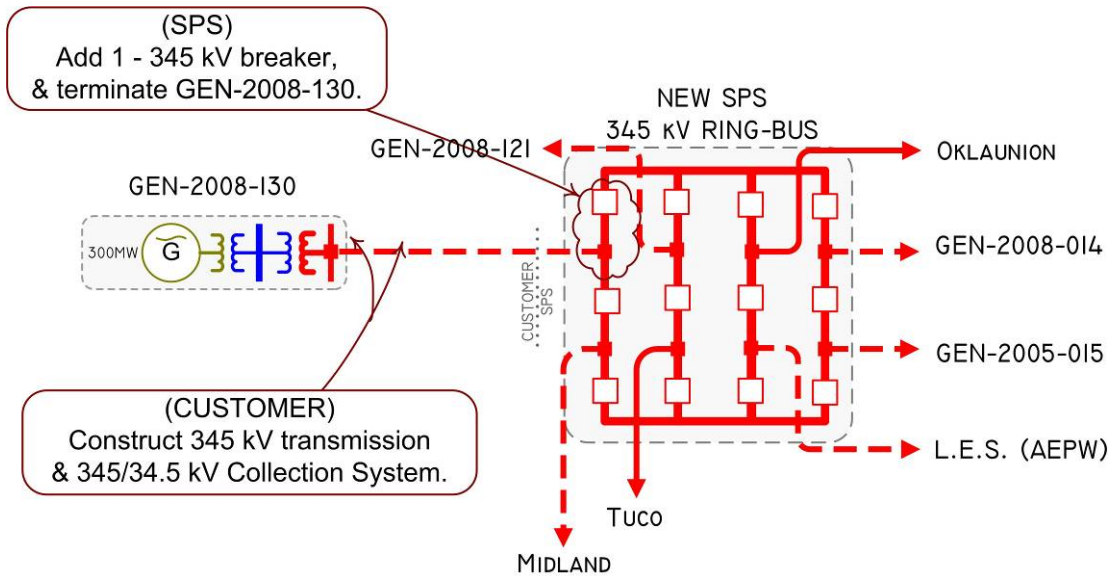
GEN-2008-121



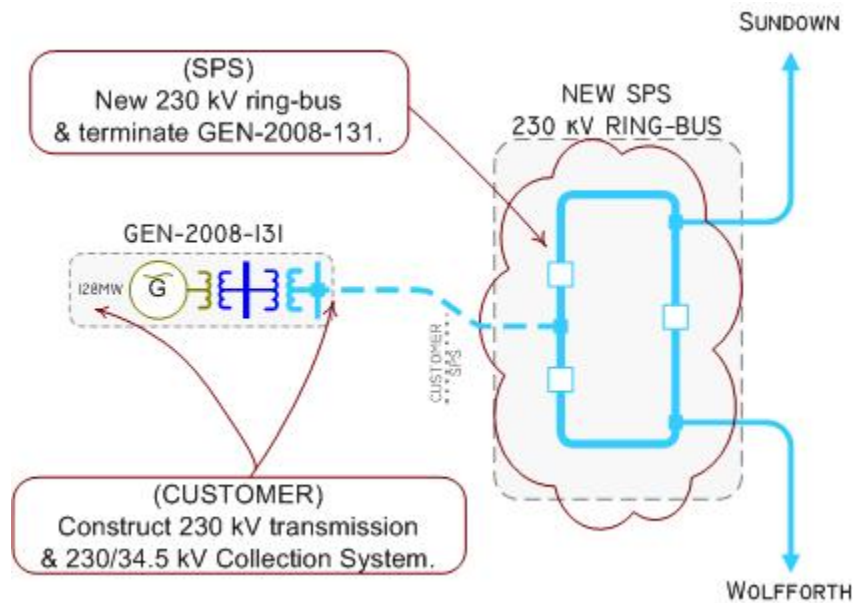
GEN-2008-126



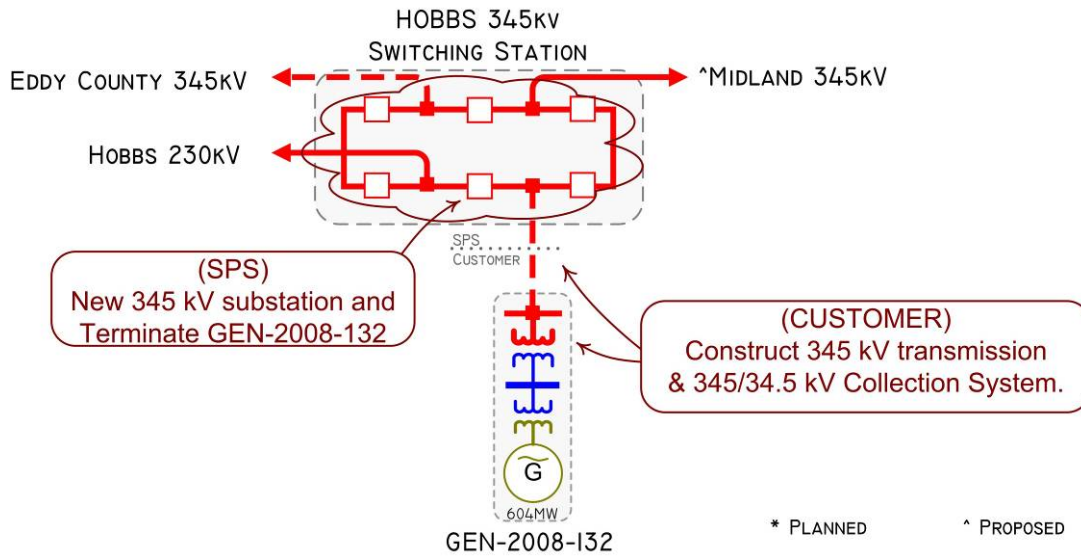
GEN-2008-130



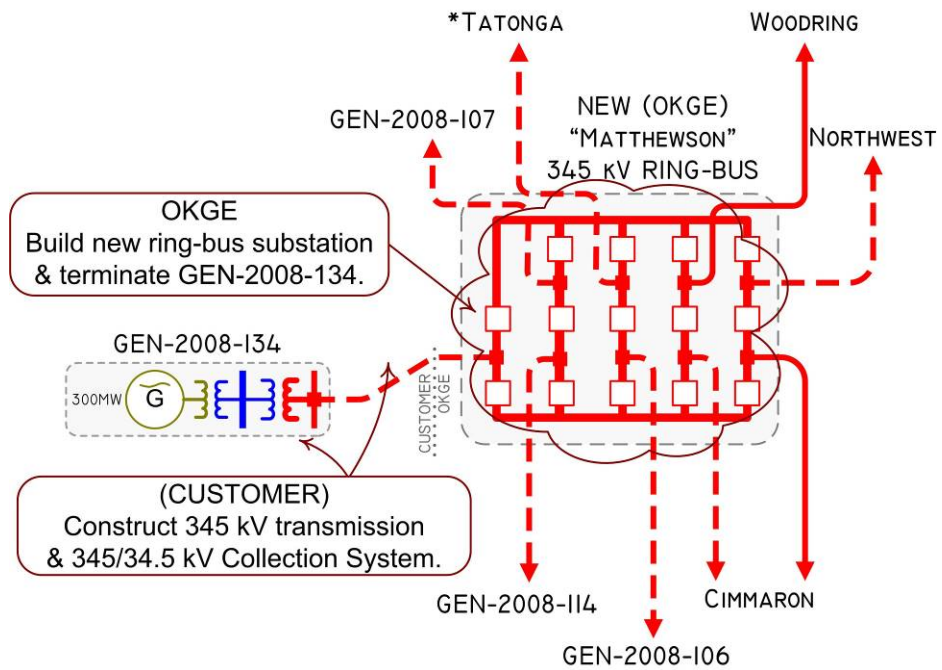
GEN-2008-131



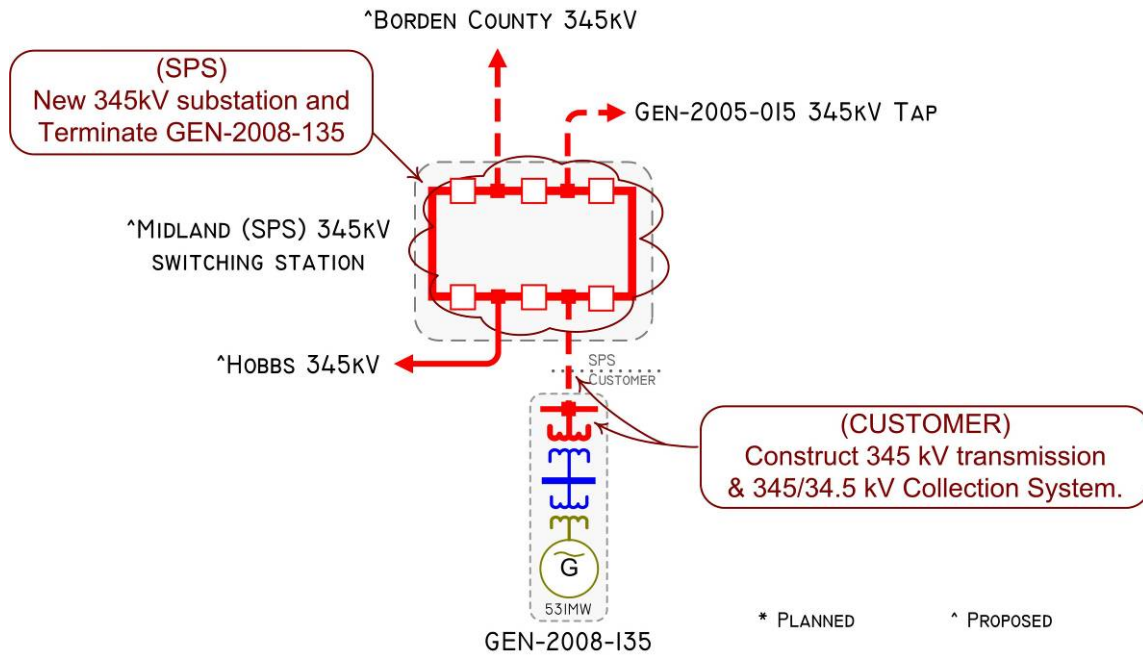
GEN-2008-132



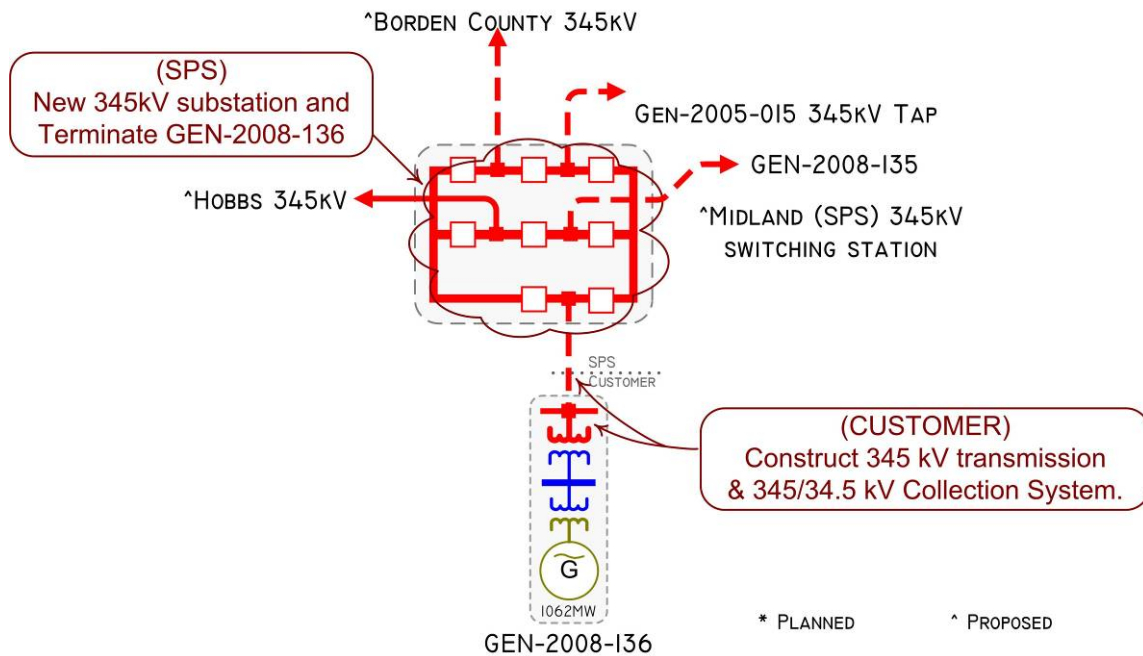
GEN-2008-134



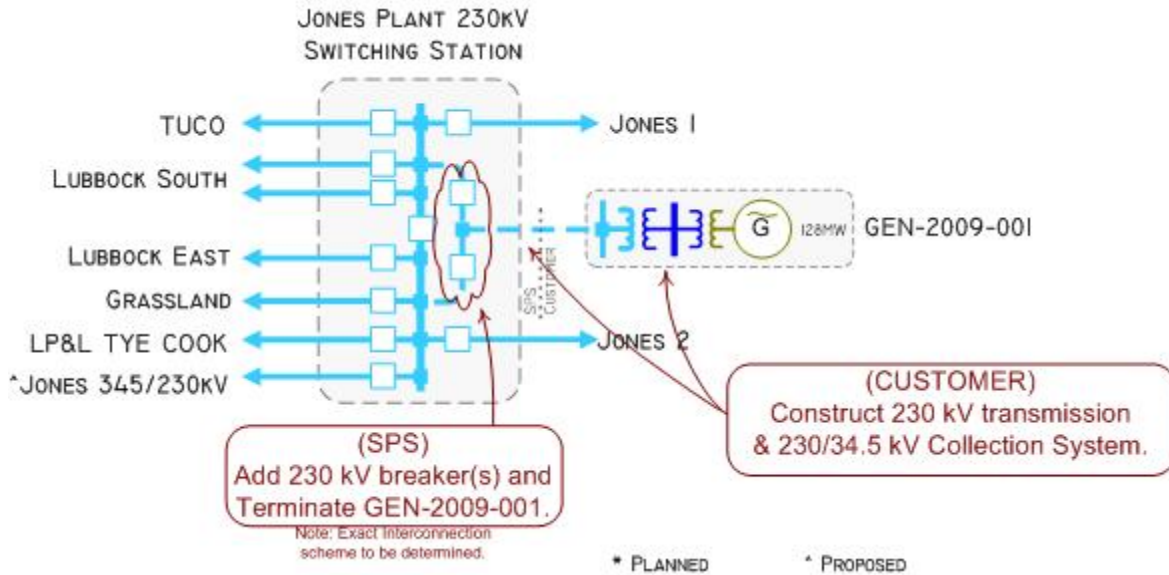
GEN-2008-135



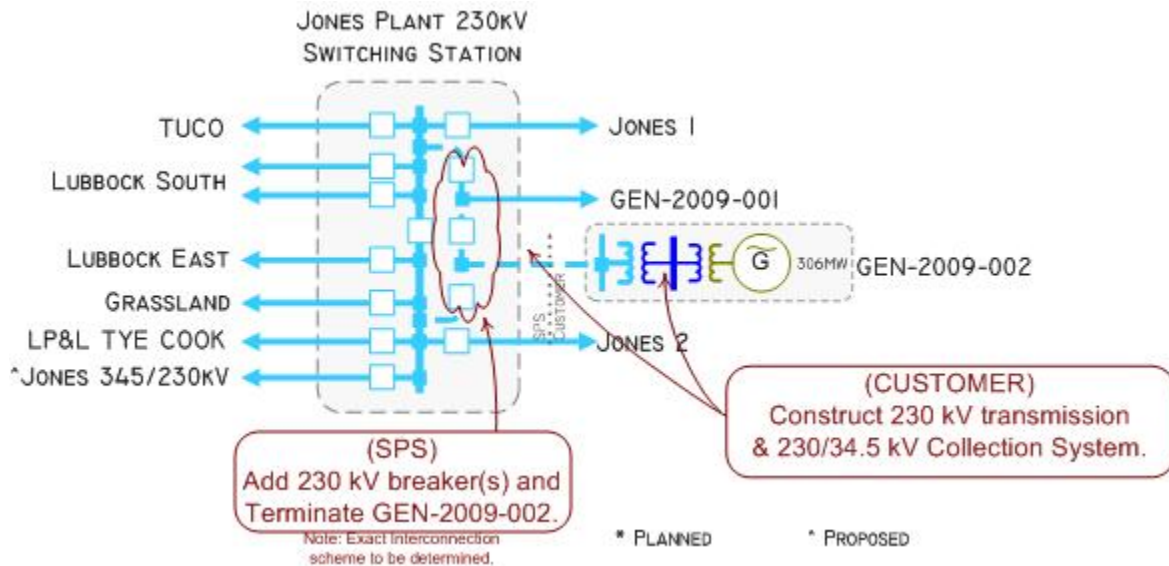
GEN-2008-136



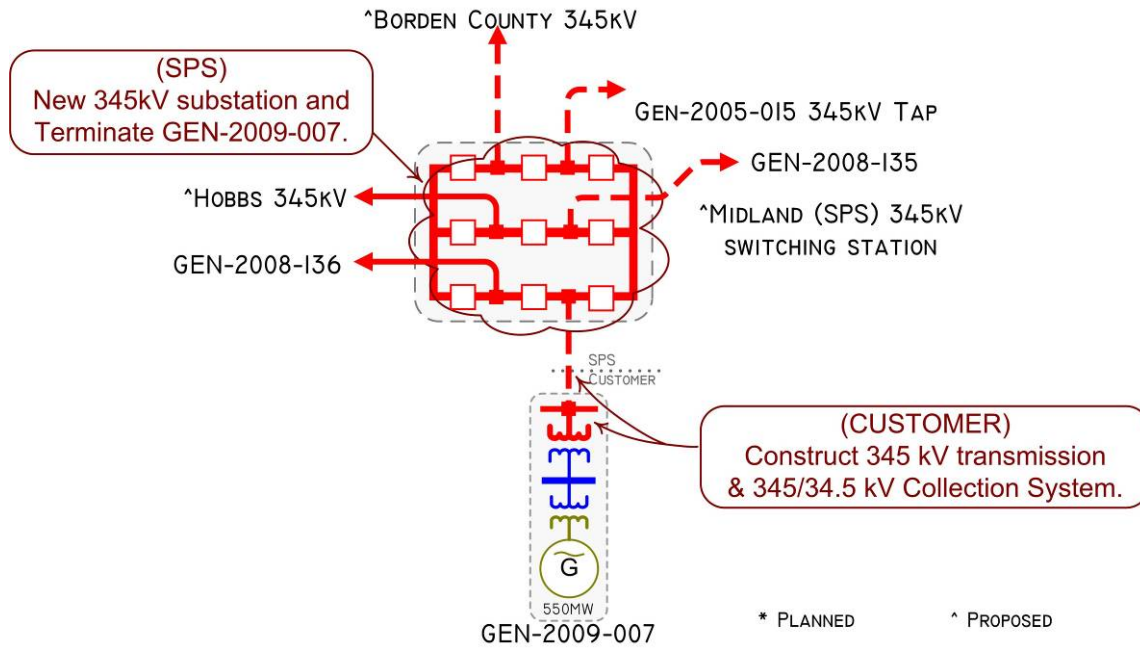
GEN-2009-001



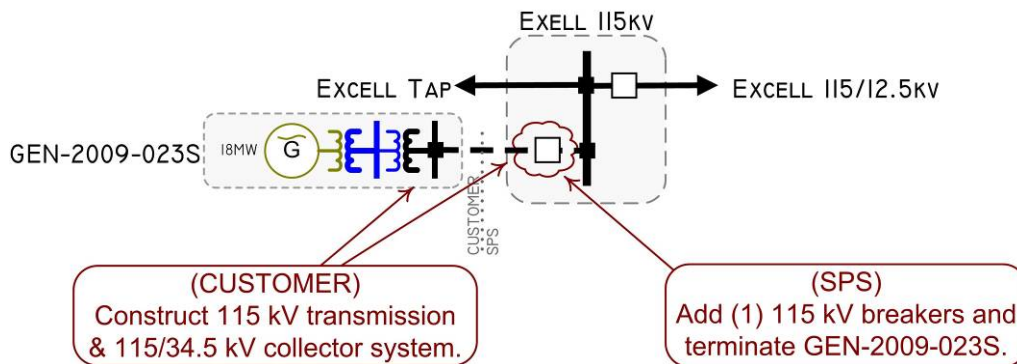
GEN-2009-002



GEN-2009-007

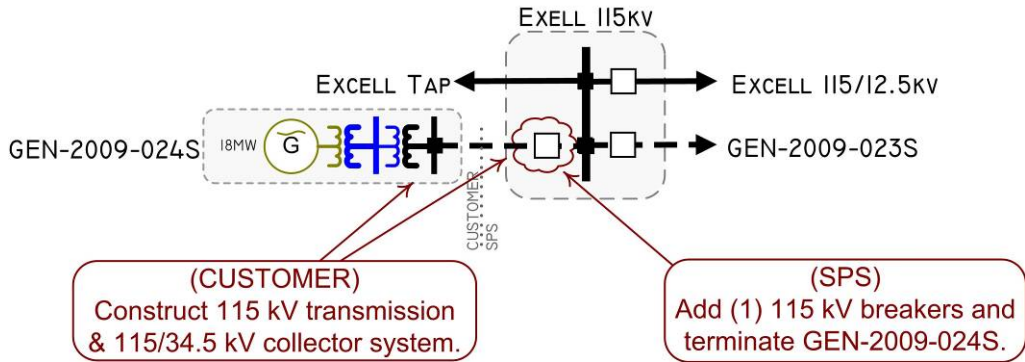


GEN-2009-023S

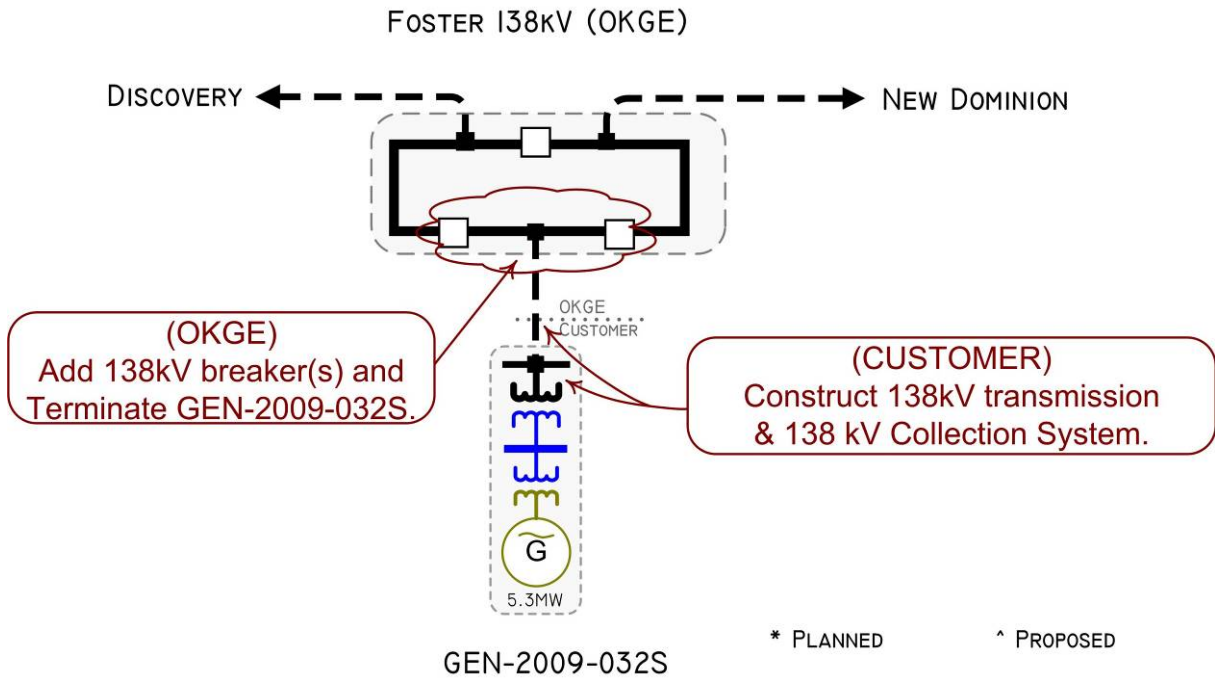




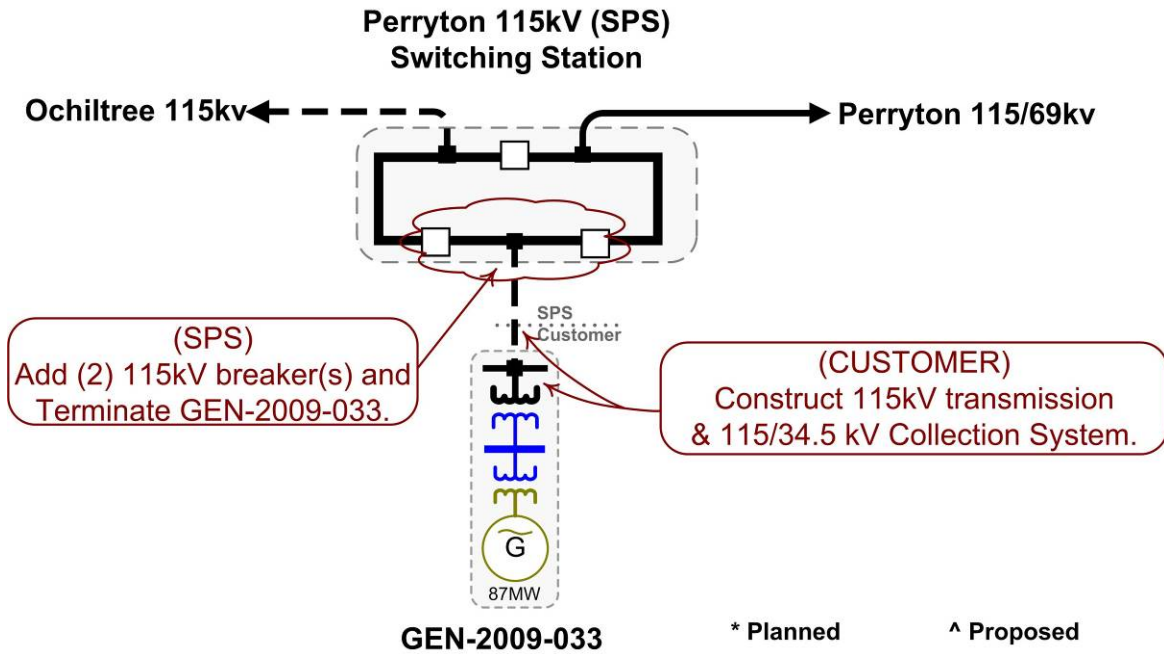
GEN-2009-024S



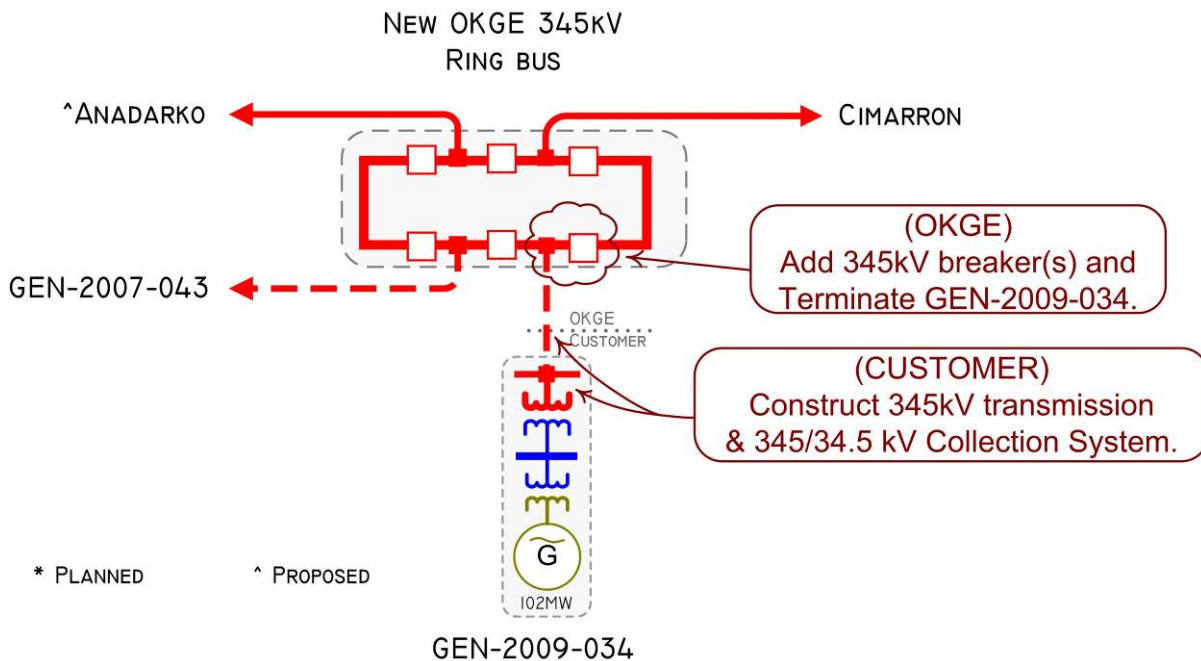
GEN-2009-032S



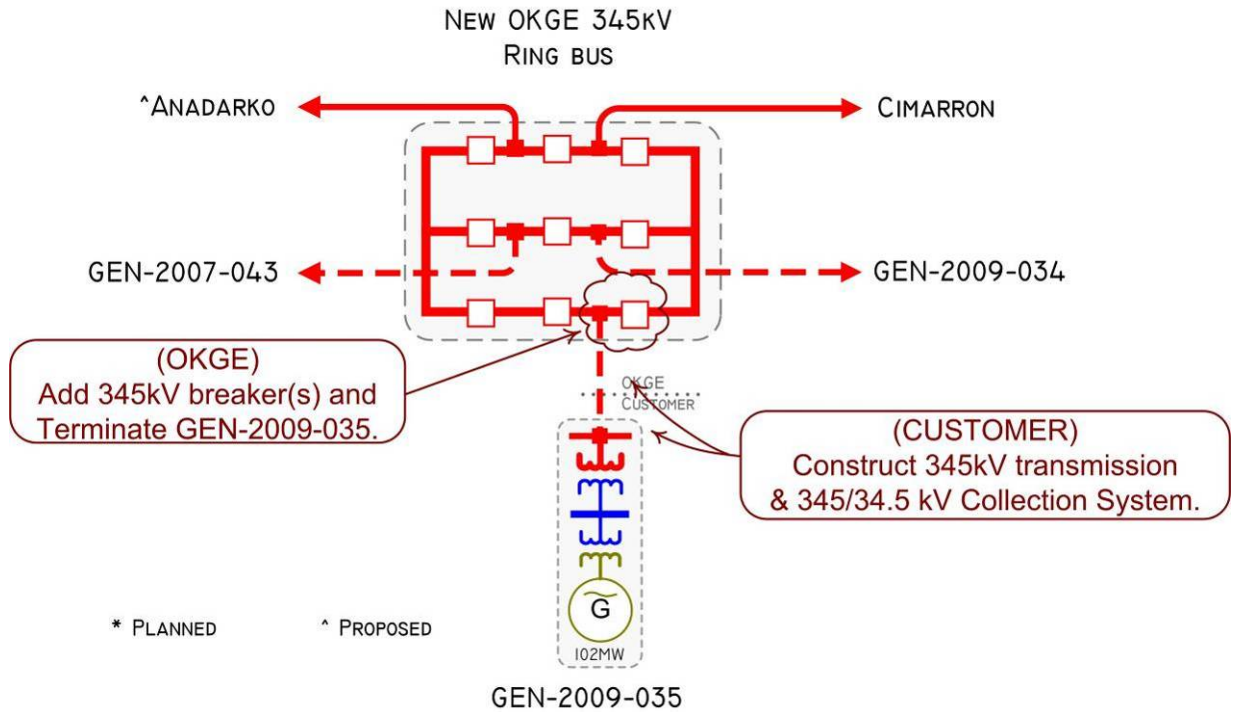
GEN-2009-033



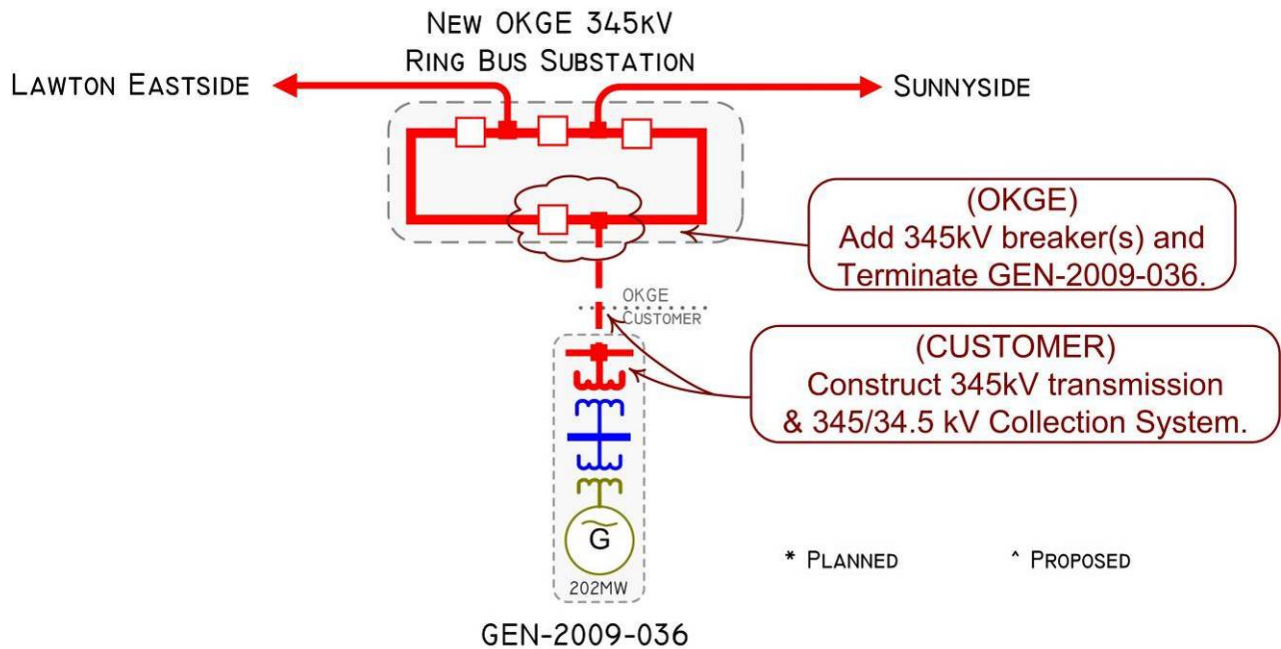
GEN-2009-034



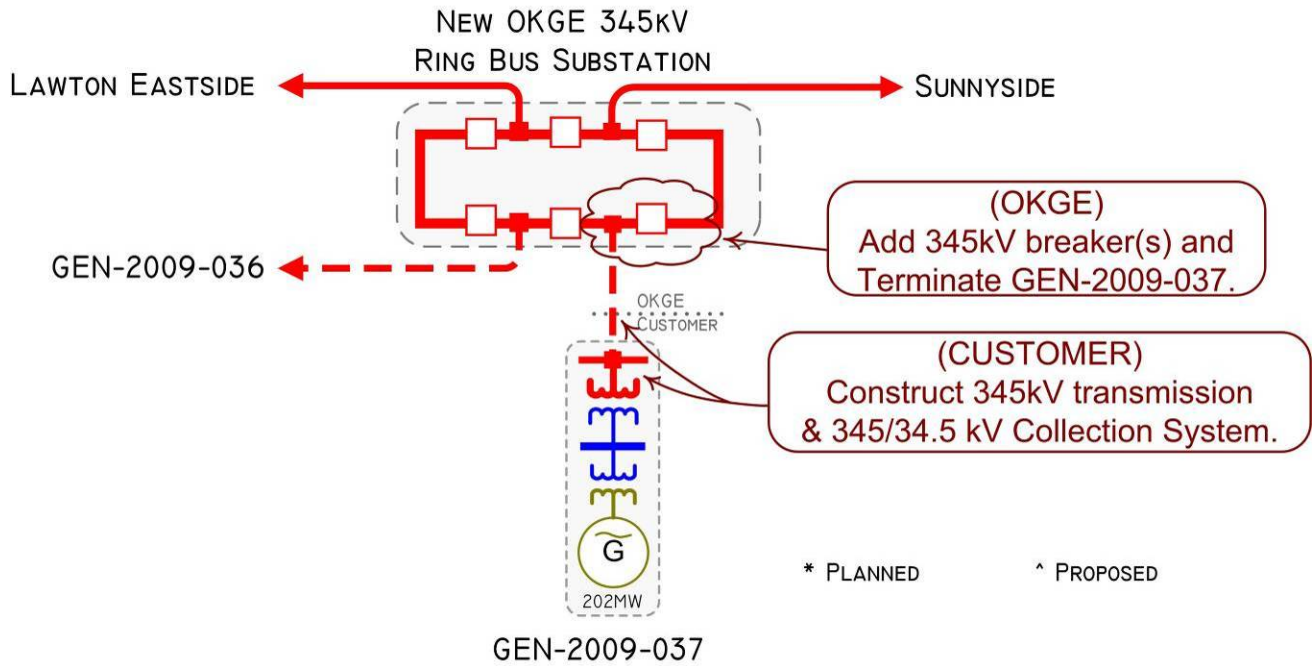
GEN-2009-035



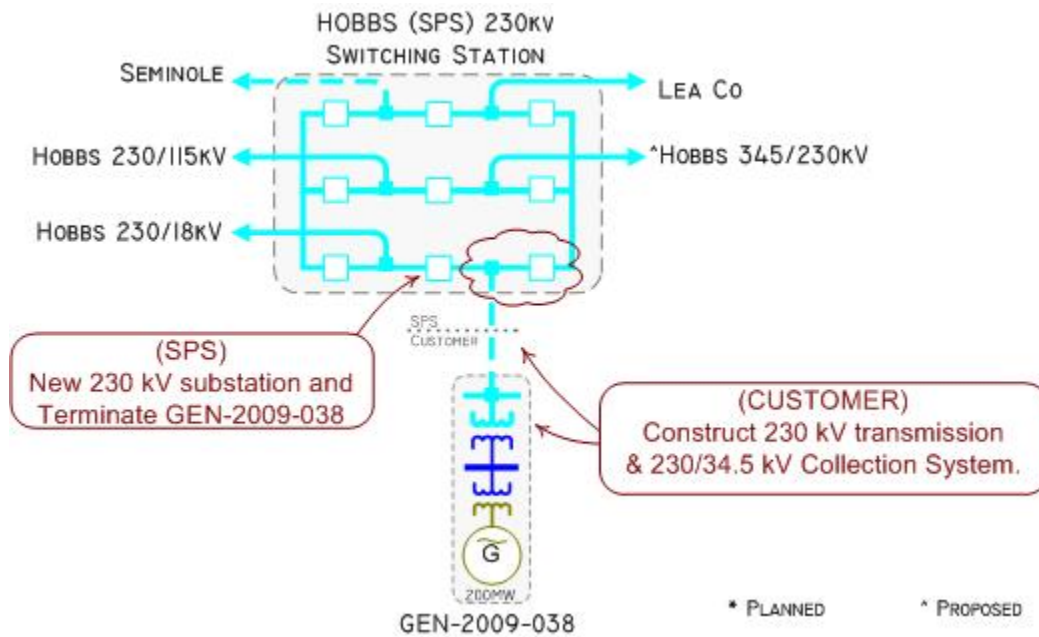
GEN-2009-036



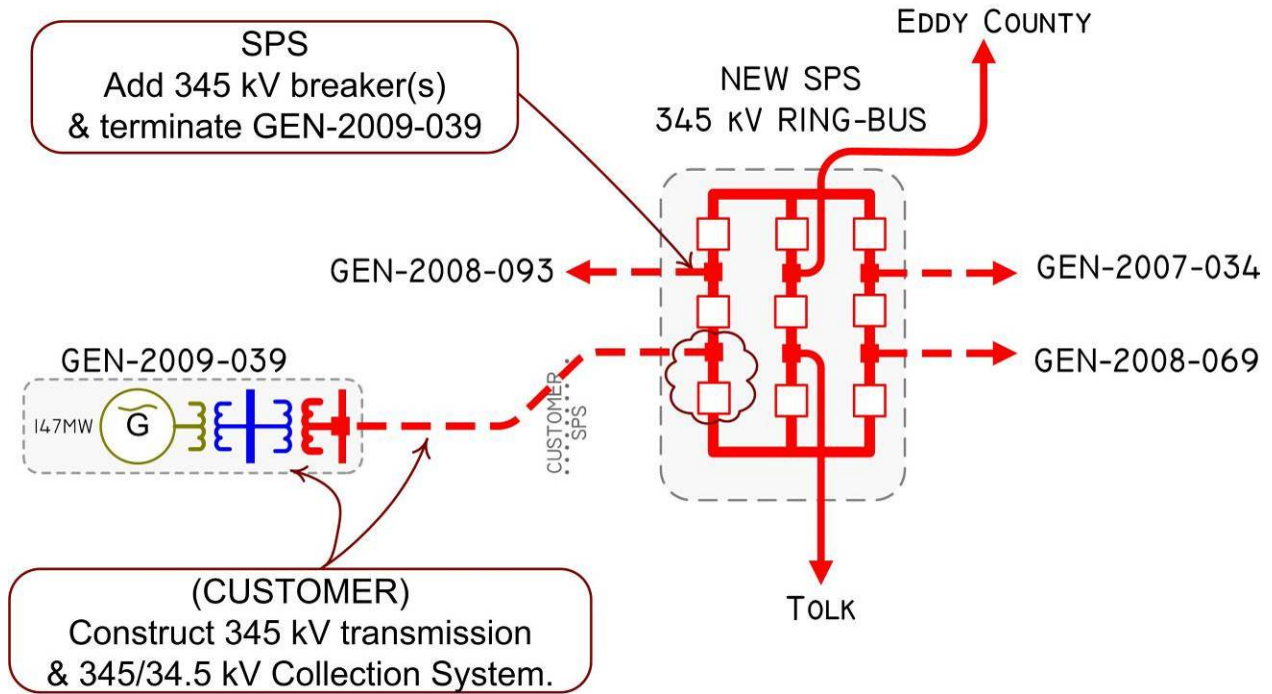
GEN-2009-037



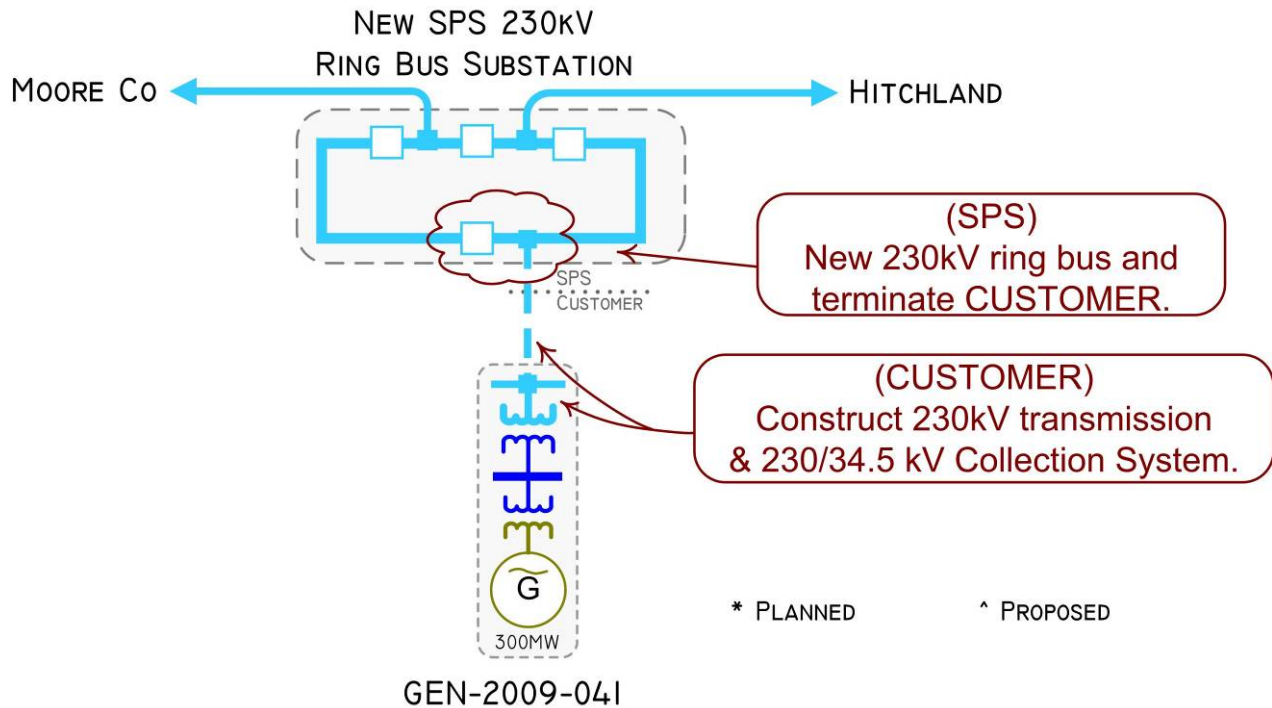
GEN-2009-038



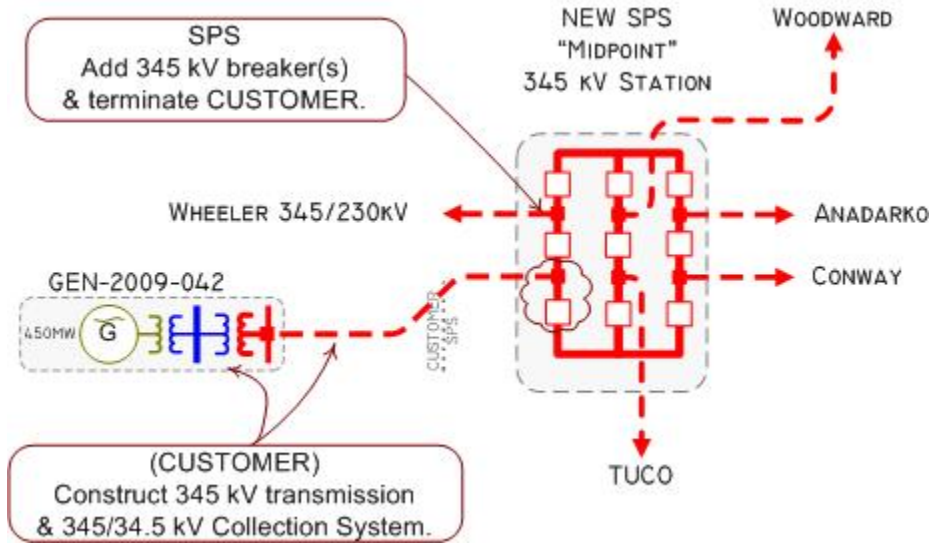
GEN-2009-039



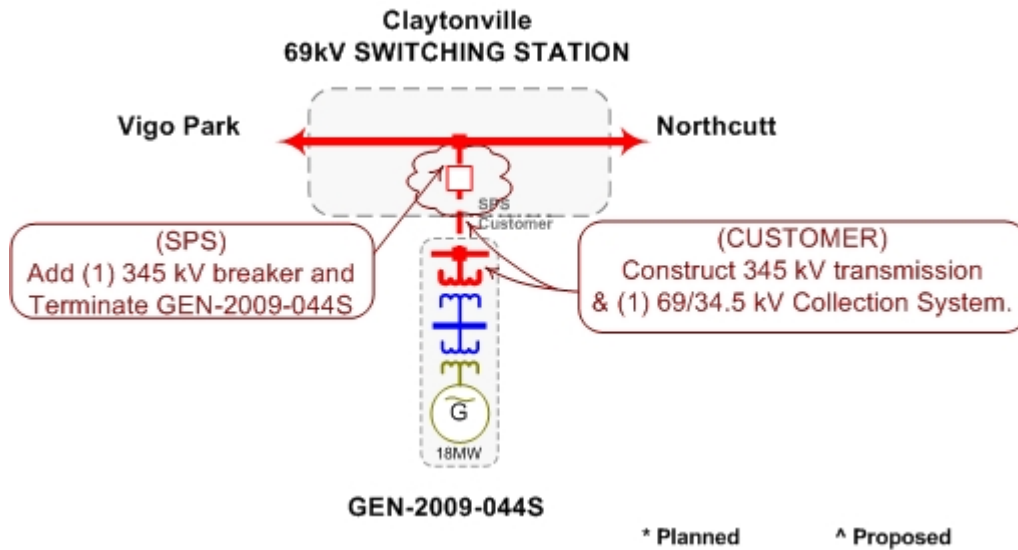
GEN-2009-041



GEN-2009-042



GEN-2009-044S



**E: Cost Allocation per Interconnection Request**

# Appendix E.

## Generation Interconnection Cost Allocation

<u>Interconnection Request</u>	<u>Allocated Costs</u>
GEN-2008-042	\$11,342,813.79
GEN-2008-043	\$11,342,813.79
GEN-2008-067	\$23,906,584.97
GEN-2008-069	\$47,202,968.74
GEN-2008-070S	\$1,000.00
GEN-2008-072	\$42,726,364.62
GEN-2008-073	\$18,263,658.67
GEN-2008-074	\$18,263,658.67
GEN-2008-075	\$18,263,658.67
GEN-2008-076	\$18,263,658.67
GEN-2008-077	\$6,000,000.00
GEN-2008-082	\$28,021,715.10
GEN-2008-084	\$66,959,191.01
GEN-2008-086	\$13,558,846.24
GEN-2008-090	\$39,032,572.66
GEN-2008-091	\$16,604,820.35
GEN-2008-093	\$73,523,240.80
GEN-2008-096	\$11,189,643.95
GEN-2008-097	\$8,189,643.95
GEN-2008-101	\$6,466,537.00
GEN-2008-102	\$8,333,294.39
GEN-2008-103	\$16,370,615.49
GEN-2008-104	\$4,043,613.38
GEN-2008-105	\$6,408,662.34
GEN-2008-106	\$7,610,579.43
GEN-2008-107	\$4,110,579.43
GEN-2008-109	\$38,446,289.61
GEN-2008-111	\$7,927,240.64
GEN-2008-112	\$25,617,692.48
GEN-2008-113	\$6,895,511.04
GEN-2008-114	\$7,610,579.43
GEN-2008-115	\$11,747,076.99
GEN-2008-120	\$38,053,290.31
GEN-2008-121	\$9,544,557.08
GEN-2008-126	\$5,837,125.52
GEN-2008-130	\$16,589,114.15



**Interconnection Request****Allocated Costs**

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GEN-2008-131	\$19,156,199.12
GEN-2008-132	\$162,495,732.88
GEN-2008-134	\$5,831,738.29
GEN-2008-135	\$166,404,532.58
GEN-2008-136	\$163,404,532.58
GEN-2009-001	\$16,677,078.75
GEN-2009-002	\$37,782,703.89
GEN-2009-007	\$174,144,054.46
GEN-2009-023S	\$4,183,370.17
GEN-2009-024S	\$4,183,370.17
GEN-2009-032S	\$400,000.00
GEN-2009-033	\$20,810,728.96
GEN-2009-034	\$2,500,000.00
GEN-2009-035	\$2,500,000.00
GEN-2009-036	\$6,000,000.00
GEN-2009-037	\$2,500,000.00
GEN-2009-038	\$35,428,833.92
GEN-2009-039	\$24,723,533.13
GEN-2009-041	\$69,709,955.57
GEN-2009-042	\$9,422,904.90
GEN-2009-044S	\$2,872,517.27
<b>All Upgrades Total</b>	<b>\$1,625,401,000.00</b>



**F: Cost Allocation per Interconnection Request with Detail**

# Appendix F.

## Generation Interconnection Cost Allocation

Interconnection Request	E + C Cost	Allocated Costs
<b>GEN-2008-042</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$3,745,747.53
GEN-2008-042 Interconnection Cost	\$3,000,000.00	\$3,000,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$3,955,270.81
Viola - Sumner County 345kV	\$45,000,000.00	\$641,795.45
<b>GEN-2008-042</b> <b>Total</b>		<b>\$11,342,813.79</b>
<b>GEN-2008-043</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$3,745,747.53
GEN-2008-043 Interconnection Cost	\$3,000,000.00	\$3,000,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$3,955,270.81
Viola - Sumner County 345kV	\$45,000,000.00	\$641,795.45
<b>GEN-2008-043</b> <b>Total</b>		<b>\$11,342,813.79</b>
<b>GEN-2008-067</b>		
Bushland - Potter County 345kV	\$25,000,000.00	\$1,589,687.59
Bushland 345kV	\$10,000,000.00	\$815,800.92
GEN-2008-067 Interconnection Cost	\$2,000,000.00	\$2,000,000.00
Hitchland - Woodward 345kV ckt 2	\$168,000,000.00	\$12,449,572.81
Hitchland 230/115kV transformer ckt 2	\$4,000,000.00	\$112,977.61
Potter - Conway 345kV	\$35,000,000.00	\$2,198,763.47
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$1,266,414.60
Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$3,473,367.96
<b>GEN-2008-067</b> <b>Total</b>		<b>\$23,906,584.97</b>
<b>GEN-2008-069</b>		
Borden County - Grassland 345kV	\$20,000,000.00	\$1,181,746.01
Borden County - Midland 345kV	\$75,000,000.00	\$4,801,440.48
Bushland - Potter County 345kV	\$25,000,000.00	\$2,624,678.05
Bushland 345kV	\$10,000,000.00	\$288,035.47
GEN-2008-069 Interconnection Cost	\$2,000,000.00	\$2,000,000.00
Grassland - Jones 345kV	\$10,000,000.00	\$593,546.85
Grassland 345/115kV auto	\$5,000,000.00	\$271,615.15
Hobbs - Midland 345kV	\$20,000,000.00	\$1,029,865.59

\*Potter - Frio Draw is an Expansion Plan project

<b>Interconnection Request</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
Lamb County 230/115kV autotransformer #2	\$2,000,000.00	\$39,107.17
Midland 345/138kV auto	\$5,000,000.00	\$320,179.84
Potter - Conway 345kV	\$35,000,000.00	\$2,269,558.50
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$22,605,630.12
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$7,296,849.54
Tuco - Jones 345kV	\$36,000,000.00	\$1,880,715.99
<b>GEN-2008-069</b> <b>Total</b>		<b>\$47,202,968.74</b>
<b>GEN-2008-070S</b>		
GEN-2008-070S Interconnection Cost	\$1,000.00	\$1,000.00
<b>GEN-2008-070S</b> <b>Total</b>		<b>\$1,000.00</b>
<b>GEN-2008-072</b>		
Borden County - Grassland 345kV	\$20,000,000.00	\$288,322.66
Borden County - Midland 345kV	\$75,000,000.00	\$1,171,329.87
Bushland - Potter County 345kV	\$25,000,000.00	\$2,867,516.58
Bushland 345kV	\$10,000,000.00	\$490,796.52
GEN-2008-072 Interconnection Cost	\$4,000,000.00	\$4,000,000.00
Grassland - Jones 345kV	\$10,000,000.00	\$140,530.96
Hobbs - Midland 345kV	\$20,000,000.00	\$251,266.85
Jones 345/230kV transformer	\$5,000,000.00	\$222,489.33
Lamb County 230/115kV autotransformer #2	\$2,000,000.00	\$1,808,665.95
Midland 345/138kV auto	\$5,000,000.00	\$78,248.33
Potter - Conway 345kV	\$35,000,000.00	\$2,816,037.75
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$23,340,583.15
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$4,038,880.24
Tuco - Jones 345kV	\$36,000,000.00	\$1,211,696.44
<b>GEN-2008-072</b> <b>Total</b>		<b>\$42,726,364.62</b>
<b>GEN-2008-073</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$921,127.99
GEN-2008-073 Interconnection Cost	\$3,000,000.00	\$3,000,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$6,751,717.62
Viola - Sumner County 345kV	\$45,000,000.00	\$7,590,813.05
<b>GEN-2008-073</b> <b>Total</b>		<b>\$18,263,658.67</b>
<b>GEN-2008-074</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$921,127.99

\*Potter - Frio Draw is an Expansion Plan project

<b>Interconnection Request</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
GEN-2008-074 Interconnection Cost	\$3,000,000.00	\$3,000,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$6,751,717.62
Viola - Sumner County 345kV	\$45,000,000.00	\$7,590,813.05
<b>GEN-2008-074 Total</b>		<b>\$18,263,658.67</b>
<b>GEN-2008-075</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$921,127.99
GEN-2008-075 Interconnection Cost	\$3,000,000.00	\$3,000,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$6,751,717.62
Viola - Sumner County 345kV	\$45,000,000.00	\$7,590,813.05
<b>GEN-2008-075 Total</b>		<b>\$18,263,658.67</b>
<b>GEN-2008-076</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$921,127.99
GEN-2008-076 Interconnection Cost	\$3,000,000.00	\$3,000,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$6,751,717.62
Viola - Sumner County 345kV	\$45,000,000.00	\$7,590,813.05
<b>GEN-2008-076 Total</b>		<b>\$18,263,658.67</b>
<b>GEN-2008-077</b>		
GEN-2008-077 Interconnection Cost	\$6,000,000.00	\$6,000,000.00
<b>GEN-2008-077 Total</b>		<b>\$6,000,000.00</b>
<b>GEN-2008-082</b>		
GEN-2008-082 Interconnection Cost	\$6,000,000.00	\$6,000,000.00
Hitchland - Woodward 345kV ckt 2	\$168,000,000.00	\$8,942,373.56
Potter - Conway 345kV	\$35,000,000.00	\$1,050,631.82
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$4,222,534.28
Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$7,806,175.44
<b>GEN-2008-082 Total</b>		<b>\$28,021,715.10</b>
<b>GEN-2008-084</b>		
Bushland - Potter County 345kV	\$25,000,000.00	\$5,064,863.08
Bushland 345kV	\$10,000,000.00	\$4,791,533.99
GEN-2008-084 Interconnection Cost	\$1,000,000.00	\$1,000,000.00
Hitchland - Woodward 345kV ckt 2	\$168,000,000.00	\$28,161,218.03
Hitchland 230/115kV transformer ckt 2	\$4,000,000.00	\$236,082.59
Potter - Conway 345kV	\$35,000,000.00	\$5,964,844.22
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$13,291,958.38

\*Potter - Frio Draw is an Expansion Plan project

<b>Interconnection Request</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$1,359,965.22
Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$7,088,725.50
<b>GEN-2008-084 Total</b>		<b>\$66,959,191.01</b>
<b>GEN-2008-086</b>		
GEN-2008-086 Interconnection Cost	\$2,000,000.00	\$2,000,000.00
Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$11,558,846.24
<b>GEN-2008-086 Total</b>		<b>\$13,558,846.24</b>
<b>GEN-2008-090</b>		
GEN-2008-090 Interconnection Cost	\$6,000,000.00	\$6,000,000.00
Hitchland - Woodward 345kV ckt 2	\$168,000,000.00	\$13,413,560.34
Potter - Conway 345kV	\$35,000,000.00	\$1,575,947.73
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$6,333,801.42
Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$11,709,263.16
<b>GEN-2008-090 Total</b>		<b>\$39,032,572.66</b>
<b>GEN-2008-091</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$1,320,888.90
GEN-2008-091 Interconnection Cost	\$6,000,000.00	\$6,000,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$4,746,543.11
Viola - Sumner County 345kV	\$45,000,000.00	\$4,537,388.35
<b>GEN-2008-091 Total</b>		<b>\$16,604,820.35</b>
<b>GEN-2008-093</b>		
Borden County - Grassland 345kV	\$20,000,000.00	\$1,153,224.61
Borden County - Midland 345kV	\$75,000,000.00	\$4,685,605.16
Bushland - Potter County 345kV	\$25,000,000.00	\$4,414,422.53
Bushland 345kV	\$10,000,000.00	\$571,454.45
GEN-2008-093 Interconnection Cost	\$2,500,000.00	\$2,500,000.00
Grassland - Jones 345kV	\$10,000,000.00	\$550,408.80
Grassland 345/115kV auto	\$5,000,000.00	\$282,099.79
Hobbs - Midland 345kV	\$20,000,000.00	\$1,005,009.82
Lamb County 230/115kV autotransformer #2	\$2,000,000.00	\$125,153.49
Midland 345/138kV auto	\$5,000,000.00	\$312,403.50
Potter - Conway 345kV	\$35,000,000.00	\$3,770,747.00
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$38,106,407.36
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$14,300,902.10

\*Potter - Frio Draw is an Expansion Plan project

<b>Interconnection Request</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
Tuco - Jones 345kV	\$36,000,000.00	\$1,745,402.19
<b>GEN-2008-093</b> <b>Total</b>		<b>\$73,523,240.80</b>
<b>GEN-2008-096</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$313,183.52
GEN-2008-096 Interconnection Cost	\$6,000,000.00	\$6,000,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$2,295,583.99
Viola - Sumner County 345kV	\$45,000,000.00	\$2,580,876.44
<b>GEN-2008-096</b> <b>Total</b>		<b>\$11,189,643.95</b>
<b>GEN-2008-097</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$313,183.52
GEN-2008-097 Interconnection Cost	\$3,000,000.00	\$3,000,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$2,295,583.99
Viola - Sumner County 345kV	\$45,000,000.00	\$2,580,876.44
<b>GEN-2008-097</b> <b>Total</b>		<b>\$8,189,643.95</b>
<b>GEN-2008-101</b>		
Borden County - Grassland 345kV	\$20,000,000.00	\$198,644.39
Borden County - Midland 345kV	\$75,000,000.00	\$807,124.37
Bushland - Potter County 345kV	\$25,000,000.00	\$310,042.54
Bushland 345kV	\$10,000,000.00	\$36,065.94
GEN-2008-101 Interconnection Cost	\$1,000,000.00	\$1,000,000.00
Grassland - Jones 345kV	\$10,000,000.00	\$103,585.90
Grassland 345/115kV auto	\$5,000,000.00	\$29,800.70
Hobbs - Midland 345kV	\$20,000,000.00	\$173,114.21
Jones 345/230kV transformer	\$5,000,000.00	\$12,259.70
Midland 345/138kV auto	\$5,000,000.00	\$53,788.19
Potter - Conway 345kV	\$35,000,000.00	\$280,577.85
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$2,634,829.47
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$439,016.98
Tuco - Jones 345kV	\$36,000,000.00	\$387,686.76
<b>GEN-2008-101</b> <b>Total</b>		<b>\$6,466,537.00</b>
<b>GEN-2008-102</b>		
Borden County - Grassland 345kV	\$20,000,000.00	\$102,031.94
Borden County - Midland 345kV	\$75,000,000.00	\$414,570.78
Bushland - Potter County 345kV	\$25,000,000.00	\$450,058.27

\*Potter - Frio Draw is an Expansion Plan project

<b>Interconnection Request</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
GEN-2008-102 Interconnection Cost	\$1,000,000.00	\$1,000,000.00
Grassland - Jones 345kV	\$10,000,000.00	\$51,421.58
Grassland 345/115kV auto	\$5,000,000.00	\$14,470.75
Hobbs - Midland 345kV	\$20,000,000.00	\$88,918.58
Jones 345/230kV transformer	\$5,000,000.00	\$8,773.77
Lamb County 230/115kV autotransformer #2	\$2,000,000.00	\$7,846.79
Midland 345/138kV auto	\$5,000,000.00	\$27,629.39
Potter - Conway 345kV	\$35,000,000.00	\$399,702.50
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$5,092,862.57
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$473,600.33
Tuco - Jones 345kV	\$36,000,000.00	\$201,407.13
<b>GEN-2008-102</b> <b>Total</b>		<b>\$8,333,294.39</b>
<b>GEN-2008-103</b>		
GEN-2008-103 Interconnection Cost	\$2,500,000.00	\$2,500,000.00
Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$13,870,615.49
<b>GEN-2008-103</b> <b>Total</b>		<b>\$16,370,615.49</b>
<b>GEN-2008-104</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$243,500.69
GEN-2008-104 Interconnection Cost	\$3,500,000.00	\$3,500,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$300,112.69
<b>GEN-2008-104</b> <b>Total</b>		<b>\$4,043,613.38</b>
<b>GEN-2008-105</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$132,907.67
GEN-2008-105 Interconnection Cost	\$6,000,000.00	\$6,000,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$275,754.67
<b>GEN-2008-105</b> <b>Total</b>		<b>\$6,408,662.34</b>
<b>GEN-2008-106</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$1,270,839.50
GEN-2008-106 Interconnection Cost	\$6,000,000.00	\$6,000,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$339,739.93
<b>GEN-2008-106</b> <b>Total</b>		<b>\$7,610,579.43</b>
<b>GEN-2008-107</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$1,270,839.50
GEN-2008-107 Interconnection Cost	\$2,500,000.00	\$2,500,000.00

\*Potter - Frio Draw is an Expansion Plan project



<b>Interconnection Request</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
Viola - Rose Hill 345kV	\$50,000,000.00	\$339,739.93
<b>GEN-2008-107</b> <b>Total</b>		<b>\$4,110,579.43</b>
<b>GEN-2008-109</b>		
GEN-2008-109 Interconnection Cost	\$2,000,000.00	\$2,000,000.00
Hitchland - Woodward 345kV ckt 2	\$168,000,000.00	\$22,531,978.02
Hitchland 230/115kV transformer ckt 2	\$4,000,000.00	\$3,256,657.15
Potter - Conway 345kV	\$35,000,000.00	\$1,829,666.33
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$4,348,387.66
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$168,524.03
Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$4,311,076.42
<b>GEN-2008-109</b> <b>Total</b>		<b>\$38,446,289.61</b>
<b>GEN-2008-111</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$946,556.32
GEN-2008-111 Interconnection Cost	\$2,500,000.00	\$2,500,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$1,083,386.83
Viola - Sumner County 345kV	\$45,000,000.00	\$3,397,297.50
<b>GEN-2008-111</b> <b>Total</b>		<b>\$7,927,240.64</b>
<b>GEN-2008-112</b>		
GEN-2008-112 Interconnection Cost	\$2,500,000.00	\$2,500,000.00
Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$23,117,692.48
<b>GEN-2008-112</b> <b>Total</b>		<b>\$25,617,692.48</b>
<b>GEN-2008-113</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$430,436.34
GEN-2008-113 Interconnection Cost	\$6,000,000.00	\$6,000,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$465,074.70
<b>GEN-2008-113</b> <b>Total</b>		<b>\$6,895,511.04</b>
<b>GEN-2008-114</b>		
Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$1,270,839.50
GEN-2008-114 Interconnection Cost	\$6,000,000.00	\$6,000,000.00
Viola - Rose Hill 345kV	\$50,000,000.00	\$339,739.93
<b>GEN-2008-114</b> <b>Total</b>		<b>\$7,610,579.43</b>
<b>GEN-2008-115</b>		
GEN-2008-115 Interconnection Cost	\$2,500,000.00	\$2,500,000.00
Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$9,247,076.99

\*Potter - Frio Draw is an Expansion Plan project

<b>Interconnection Request</b>		<b>E + C Cost</b>	<b>Allocated Costs</b>
<b>GEN-2008-115</b>	<b>Total</b>		<b>\$11,747,076.99</b>
<b>GEN-2008-120</b>			
	Bushland - Potter County 345kV	\$25,000,000.00	\$2,532,531.91
	Bushland 345kV	\$10,000,000.00	\$1,951,206.21
	GEN-2008-120 Interconnection Cost	\$2,000,000.00	\$2,000,000.00
	Hitchland - Woodward 345kV ckt 2	\$168,000,000.00	\$20,526,793.84
	Hitchland 230/115kV transformer ckt 2	\$4,000,000.00	\$172,751.80
	Potter - Conway 345kV	\$35,000,000.00	\$3,847,053.53
	Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$1,610,484.67
	Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$5,412,468.36
<b>GEN-2008-120</b>	<b>Total</b>		<b>\$38,053,290.31</b>
<b>GEN-2008-121</b>			
	Borden County - Grassland 345kV	\$20,000,000.00	\$133,901.84
	Bushland - Potter County 345kV	\$25,000,000.00	\$629,601.73
	Bushland 345kV	\$10,000,000.00	\$94,416.87
	GEN-2008-121 Interconnection Cost	\$2,500,000.00	\$2,500,000.00
	Grassland 345/115kV auto	\$5,000,000.00	\$67,432.62
	Potter - Conway 345kV	\$35,000,000.00	\$208,085.76
	Potter - Frio Draw 345kV project*	\$180,000,000.00	\$5,911,118.25
<b>GEN-2008-121</b>	<b>Total</b>		<b>\$9,544,557.08</b>
<b>GEN-2008-126</b>			
	Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$1,498,299.01
	GEN-2008-126 Interconnection Cost	\$2,500,000.00	\$2,500,000.00
	Viola - Rose Hill 345kV	\$50,000,000.00	\$1,582,108.32
	Viola - Sumner County 345kV	\$45,000,000.00	\$256,718.18
<b>GEN-2008-126</b>	<b>Total</b>		<b>\$5,837,125.52</b>
<b>GEN-2008-130</b>			
	Borden County - Grassland 345kV	\$20,000,000.00	\$267,803.67
	Bushland - Potter County 345kV	\$25,000,000.00	\$1,259,203.47
	Bushland 345kV	\$10,000,000.00	\$188,833.75
	GEN-2008-130 Interconnection Cost	\$2,500,000.00	\$2,500,000.00
	Grassland 345/115kV auto	\$5,000,000.00	\$134,865.25
	Potter - Conway 345kV	\$35,000,000.00	\$416,171.51
	Potter - Frio Draw 345kV project*	\$180,000,000.00	\$11,822,236.50

\*Potter - Frio Draw is an Expansion Plan project

**Interconnection Request****E + C Cost****Allocated Costs**

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<b>GEN-2008-130</b>	<b>Total</b>		<b>\$16,589,114.15</b>
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**GEN-2008-131**

Borden County - Grassland 345kV	\$20,000,000.00	\$123,205.54
Eddy County - Hobbs 345kV	\$56,000,000.00	\$21,643.88
GEN-2008-131 Interconnection Cost	\$4,000,000.00	\$4,000,000.00
Grassland - Jones 345kV	\$10,000,000.00	\$31,893.10
Hobbs - Midland 345kV	\$20,000,000.00	\$239,398.82
Hobbs 345/230kV autotransformer	\$8,000,000.00	\$203,017.67
Jones 345/230kV transformer	\$5,000,000.00	\$427,264.05
Midland - Motley County 345kV ckt #1	\$170,000,000.00	\$3,316,513.74
Midland - Tuco 345kV ckt #1	\$135,000,000.00	\$517,604.64
Motley County - Lawton East Side	\$200,000,000.00	\$8,346,922.34
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$612,253.99
Tuco - Jones 345kV	\$36,000,000.00	\$1,316,481.34

<b>GEN-2008-131</b>	<b>Total</b>		<b>\$19,156,199.12</b>
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**GEN-2008-132**

Borden County - Grassland 345kV	\$20,000,000.00	\$2,060,436.77
Borden County - Midland 345kV	\$75,000,000.00	\$8,371,693.28
Eddy County - Hobbs 345kV	\$56,000,000.00	\$28,252,150.84
GEN-2008-132 Interconnection Cost	\$8,000,000.00	\$8,000,000.00
Grassland - Jones 345kV	\$10,000,000.00	\$1,105,353.82
Grassland 345/115kV auto	\$5,000,000.00	\$337,402.52
Hobbs - Midland 345kV	\$20,000,000.00	\$6,639,224.21
Hobbs 345/230kV autotransformer	\$8,000,000.00	\$3,760,733.08
Jones 345/230kV transformer	\$5,000,000.00	\$58,835.19
Midland - Motley County 345kV ckt #1	\$170,000,000.00	\$30,666,549.52
Midland - Tuco 345kV ckt #1	\$135,000,000.00	\$21,570,195.77
Midland 345/138kV auto	\$5,000,000.00	\$558,118.98
Motley County - Lawton East Side	\$200,000,000.00	\$41,840,763.13
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$5,377,109.82
Tuco - Jones 345kV	\$36,000,000.00	\$3,897,165.97

<b>GEN-2008-132</b>	<b>Total</b>		<b>\$162,495,732.88</b>
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**GEN-2008-134**

Cimarron - Matthewson 345kV ckt #2	\$24,000,000.00	\$3,812,518.50
GEN-2008-134 Interconnection Cost	\$1,000,000.00	\$1,000,000.00

\*Potter - Frio Draw is an Expansion Plan project

<b>Interconnection Request</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
Viola - Rose Hill 345kV	\$50,000,000.00	\$1,019,219.79
<b>GEN-2008-134</b> <span style="float:right"><b>Total</b></span>		<b>\$5,831,738.29</b>
<b>GEN-2008-135</b>		
Borden County - Grassland 345kV	\$20,000,000.00	\$3,813,298.83
Borden County - Midland 345kV	\$75,000,000.00	\$15,493,780.11
Eddy County - Hobbs 345kV	\$56,000,000.00	\$8,979,716.22
GEN-2008-135 Interconnection Cost	\$6,000,000.00	\$6,000,000.00
Grassland - Jones 345kV	\$10,000,000.00	\$1,986,691.34
Grassland 345/115kV auto	\$5,000,000.00	\$1,149,063.87
Hobbs - Midland 345kV	\$20,000,000.00	\$2,933,886.54
Hobbs 345/230kV autotransformer	\$8,000,000.00	\$1,306,550.25
Jones 345/230kV transformer	\$5,000,000.00	\$538,195.85
Midland - Motley County 345kV ckt #1	\$170,000,000.00	\$41,448,397.82
Midland - Tuco 345kV ckt #1	\$135,000,000.00	\$37,152,168.24
Midland 345/138kV auto	\$5,000,000.00	\$1,032,830.74
Motley County - Lawton East Side	\$200,000,000.00	\$39,710,495.68
Tuco - Jones 345kV	\$36,000,000.00	\$4,859,457.09
<b>GEN-2008-135</b> <span style="float:right"><b>Total</b></span>		<b>\$166,404,532.58</b>
<b>GEN-2008-136</b>		
Borden County - Grassland 345kV	\$20,000,000.00	\$3,813,298.83
Borden County - Midland 345kV	\$75,000,000.00	\$15,493,780.11
Eddy County - Hobbs 345kV	\$56,000,000.00	\$8,979,716.22
GEN-2008-136 Interconnection Cost	\$3,000,000.00	\$3,000,000.00
Grassland - Jones 345kV	\$10,000,000.00	\$1,986,691.34
Grassland 345/115kV auto	\$5,000,000.00	\$1,149,063.87
Hobbs - Midland 345kV	\$20,000,000.00	\$2,933,886.54
Hobbs 345/230kV autotransformer	\$8,000,000.00	\$1,306,550.25
Jones 345/230kV transformer	\$5,000,000.00	\$538,195.85
Midland - Motley County 345kV ckt #1	\$170,000,000.00	\$41,448,397.82
Midland - Tuco 345kV ckt #1	\$135,000,000.00	\$37,152,168.24
Midland 345/138kV auto	\$5,000,000.00	\$1,032,830.74
Motley County - Lawton East Side	\$200,000,000.00	\$39,710,495.68
Tuco - Jones 345kV	\$36,000,000.00	\$4,859,457.09
<b>GEN-2008-136</b> <span style="float:right"><b>Total</b></span>		<b>\$163,404,532.58</b>

**GEN-2009-001**

\*Potter - Frio Draw is an Expansion Plan project

<b>Interconnection Request</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
Borden County - Grassland 345kV	\$20,000,000.00	\$299,691.18
Eddy County - Hobbs 345kV	\$56,000,000.00	\$137,363.62
GEN-2009-001 Interconnection Cost	\$1,500,000.00	\$1,500,000.00
Grassland - Jones 345kV	\$10,000,000.00	\$122,631.82
Hobbs - Midland 345kV	\$20,000,000.00	\$3,634.70
Hobbs 345/230kV autotransformer	\$8,000,000.00	\$20,600.36
Jones 345/230kV transformer	\$5,000,000.00	\$769,278.17
Midland - Motley County 345kV ckt #1	\$170,000,000.00	\$3,004,949.12
Midland - Tuco 345kV ckt #1	\$135,000,000.00	\$37,259.48
Motley County - Lawton East Side	\$200,000,000.00	\$8,629,655.20
Tuco - Jones 345kV	\$36,000,000.00	\$2,152,015.11
<b>GEN-2009-001</b>	<b>Total</b>	<b>\$16,677,078.75</b>
<b>GEN-2009-002</b>		
Borden County - Grassland 345kV	\$20,000,000.00	\$716,449.24
Eddy County - Hobbs 345kV	\$56,000,000.00	\$328,384.90
GEN-2009-002 Interconnection Cost	\$1,500,000.00	\$1,500,000.00
Grassland - Jones 345kV	\$10,000,000.00	\$293,166.69
Hobbs - Midland 345kV	\$20,000,000.00	\$8,689.20
Hobbs 345/230kV autotransformer	\$8,000,000.00	\$49,247.74
Jones 345/230kV transformer	\$5,000,000.00	\$1,839,055.62
Midland - Motley County 345kV ckt #1	\$170,000,000.00	\$7,183,706.49
Midland - Tuco 345kV ckt #1	\$135,000,000.00	\$89,073.44
Motley County - Lawton East Side	\$200,000,000.00	\$20,630,269.45
Tuco - Jones 345kV	\$36,000,000.00	\$5,144,661.13
<b>GEN-2009-002</b>	<b>Total</b>	<b>\$37,782,703.89</b>
<b>GEN-2009-007</b>		
Borden County - Grassland 345kV	\$20,000,000.00	\$3,949,744.56
Borden County - Midland 345kV	\$75,000,000.00	\$16,048,171.48
Eddy County - Hobbs 345kV	\$56,000,000.00	\$9,301,024.33
GEN-2009-007 Interconnection Cost	\$8,000,000.00	\$8,000,000.00
Grassland - Jones 345kV	\$10,000,000.00	\$2,057,778.23
Grassland 345/115kV auto	\$5,000,000.00	\$1,190,179.15
Hobbs - Midland 345kV	\$20,000,000.00	\$3,038,865.53
Hobbs 345/230kV autotransformer	\$8,000,000.00	\$1,353,300.64
Jones 345/230kV transformer	\$5,000,000.00	\$557,453.33

\*Potter - Frio Draw is an Expansion Plan project

<b>Interconnection Request</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
Midland - Motley County 345kV ckt #1	\$170,000,000.00	\$42,931,485.50
Midland - Tuco 345kV ckt #1	\$135,000,000.00	\$38,481,530.19
Midland 345/138kV auto	\$5,000,000.00	\$1,069,787.02
Motley County - Lawton East Side	\$200,000,000.00	\$41,131,398.54
Tuco - Jones 345kV	\$36,000,000.00	\$5,033,335.97
<b>GEN-2009-007</b> <b>Total</b>		<b>\$174,144,054.46</b>
<b>GEN-2009-023S</b>		
Bushland - Potter County 345kV	\$25,000,000.00	\$20,556.74
Bushland 345kV	\$10,000,000.00	\$47,917.79
GEN-2009-023S Interconnection Cost	\$1,000,000.00	\$1,000,000.00
Hitchland - Woodward 345kV ckt 2	\$168,000,000.00	\$1,897,371.76
Hitchland 230/115kV transformer ckt 2	\$4,000,000.00	\$47,833.78
Potter - Conway 345kV	\$35,000,000.00	\$191,809.58
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$482,687.61
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$44,752.39
Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$450,440.53
<b>GEN-2009-023S</b> <b>Total</b>		<b>\$4,183,370.17</b>
<b>GEN-2009-024S</b>		
Bushland - Potter County 345kV	\$25,000,000.00	\$20,556.74
Bushland 345kV	\$10,000,000.00	\$47,917.79
GEN-2009-024S Interconnection Cost	\$1,000,000.00	\$1,000,000.00
Hitchland - Woodward 345kV ckt 2	\$168,000,000.00	\$1,897,371.76
Hitchland 230/115kV transformer ckt 2	\$4,000,000.00	\$47,833.78
Potter - Conway 345kV	\$35,000,000.00	\$191,809.58
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$482,687.61
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$44,752.39
Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$450,440.53
<b>GEN-2009-024S</b> <b>Total</b>		<b>\$4,183,370.17</b>
<b>GEN-2009-032S</b>		
GEN-2009-032S Interconnection Cost	\$400,000.00	\$400,000.00
<b>GEN-2009-032S</b> <b>Total</b>		<b>\$400,000.00</b>
<b>GEN-2009-033</b>		
Bushland 345kV	\$10,000,000.00	\$21,493.29
GEN-2009-033 Interconnection Cost	\$1,000,000.00	\$1,000,000.00

\*Potter - Frio Draw is an Expansion Plan project

<b>Interconnection Request</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
Hitchland - Woodward 345kV ckt 2	\$168,000,000.00	\$13,431,481.80
Hitchland 230/115kV transformer ckt 2	\$4,000,000.00	\$113,273.55
Potter - Conway 345kV	\$35,000,000.00	\$1,088,569.33
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$2,486,813.62
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$142,348.22
Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$2,526,749.16
<b>GEN-2009-033</b> <b>Total</b>		<b>\$20,810,728.96</b>
<b>GEN-2009-034</b>		
GEN-2009-034 Interconnection Cost	\$2,500,000.00	\$2,500,000.00
<b>GEN-2009-034</b> <b>Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2009-035</b>		
GEN-2009-035 Interconnection Cost	\$2,500,000.00	\$2,500,000.00
<b>GEN-2009-035</b> <b>Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2009-036</b>		
GEN-2009-036 Interconnection Cost	\$6,000,000.00	\$6,000,000.00
<b>GEN-2009-036</b> <b>Total</b>		<b>\$6,000,000.00</b>
<b>GEN-2009-037</b>		
GEN-2009-037 Interconnection Cost	\$2,500,000.00	\$2,500,000.00
<b>GEN-2009-037</b> <b>Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2009-038</b>		
Borden County - Grassland 345kV	\$20,000,000.00	\$1,317,207.75
Borden County - Midland 345kV	\$75,000,000.00	\$5,351,929.96
Bushland - Potter County 345kV	\$25,000,000.00	\$1,830,329.73
Bushland 345kV	\$10,000,000.00	\$205,629.84
GEN-2009-038 Interconnection Cost	\$2,000,000.00	\$2,000,000.00
Grassland - Jones 345kV	\$10,000,000.00	\$684,488.90
Grassland 345/115kV auto	\$5,000,000.00	\$240,469.79
Hobbs - Midland 345kV	\$20,000,000.00	\$1,147,917.52
Jones 345/230kV transformer	\$5,000,000.00	\$28,199.15
Midland 345/138kV auto	\$5,000,000.00	\$356,770.43
Potter - Conway 345kV	\$35,000,000.00	\$1,652,704.51
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$15,580,034.17
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$2,647,267.31
Tuco - Jones 345kV	\$36,000,000.00	\$2,385,884.84

\*Potter - Frio Draw is an Expansion Plan project

<b>Interconnection Request</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
<b>GEN-2009-038</b>	<b>Total</b>	<b>\$35,428,833.92</b>
<b>GEN-2009-039</b>		
Borden County - Grassland 345kV	\$20,000,000.00	\$580,992.18
Borden County - Midland 345kV	\$75,000,000.00	\$2,360,574.42
Bushland - Potter County 345kV	\$25,000,000.00	\$1,290,393.55
Bushland 345kV	\$10,000,000.00	\$141,609.41
GEN-2009-039 Interconnection Cost	\$2,500,000.00	\$2,500,000.00
Grassland - Jones 345kV	\$10,000,000.00	\$291,810.66
Grassland 345/115kV auto	\$5,000,000.00	\$133,536.54
Hobbs - Midland 345kV	\$20,000,000.00	\$506,321.88
Lamb County 230/115kV autotransformer #2	\$2,000,000.00	\$19,226.60
Midland 345/138kV auto	\$5,000,000.00	\$157,412.83
Potter - Conway 345kV	\$35,000,000.00	\$1,115,803.01
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$11,113,804.78
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$3,587,414.32
Tuco - Jones 345kV	\$36,000,000.00	\$924,632.95
<b>GEN-2009-039</b>	<b>Total</b>	<b>\$24,723,533.13</b>
<b>GEN-2009-041</b>		
Bushland 345kV	\$10,000,000.00	\$258,056.48
GEN-2009-041 Interconnection Cost	\$4,000,000.00	\$4,000,000.00
Hitchland - Woodward 345kV ckt 2	\$168,000,000.00	\$43,569,666.90
Potter - Conway 345kV	\$35,000,000.00	\$3,974,129.06
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$8,720,718.16
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$575,735.07
Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$8,611,649.91
<b>GEN-2009-041</b>	<b>Total</b>	<b>\$69,709,955.57</b>
<b>GEN-2009-042</b>		
GEN-2009-042 Interconnection Cost	\$6,000,000.00	\$6,000,000.00
Potter - Frio Draw 345kV project*	\$180,000,000.00	\$3,422,904.90
<b>GEN-2009-042</b>	<b>Total</b>	<b>\$9,422,904.90</b>
<b>GEN-2009-044S</b>		
Bushland - Potter County 345kV	\$25,000,000.00	\$95,557.47
Bushland 345kV	\$10,000,000.00	\$49,231.31
GEN-2009-044S Interconnection Cost	\$1,000,000.00	\$1,000,000.00

\*Potter - Frio Draw is an Expansion Plan project



<b>Interconnection Request</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
Hitchland - Woodward 345kV ckt 2	\$168,000,000.00	\$1,178,611.18
Hitchland 230/115kV transformer ckt 2	\$4,000,000.00	\$12,589.74
Potter - Conway 345kV	\$35,000,000.00	\$157,386.97
Tolk - Tuco 345kV ckt #1	\$44,000,000.00	\$13,728.77
Woodward - Woodring 345kV ckt #1	\$110,000,000.00	\$365,411.83
<b>GEN-2009-044S</b>	<b>Total</b>	<b>\$2,872,517.27</b>
<b>All Upgrades Total</b>		<b>\$1,625,401,000.00</b>

\*Potter - Frio Draw is an Expansion Plan project

**G: Cost Allocation per Proposed Network Upgrade**

# Appendix G. - Cost Allocation Per Upgrade

<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
<b>Borden County - Grassland 345kV</b>		<b>\$20,000,000.00</b>
Convert the Borden County - Grassland 230kV line to 345kV operation		
GEN-2008-069	\$20,000,000.00	\$1,181,746.01
GEN-2008-072	\$20,000,000.00	\$288,322.66
GEN-2008-093	\$20,000,000.00	\$1,153,224.61
GEN-2008-101	\$20,000,000.00	\$198,644.39
GEN-2008-102	\$20,000,000.00	\$102,031.94
GEN-2008-121	\$20,000,000.00	\$133,901.84
GEN-2008-130	\$20,000,000.00	\$267,803.67
GEN-2008-131	\$20,000,000.00	\$123,205.54
GEN-2008-132	\$20,000,000.00	\$2,060,436.77
GEN-2008-135	\$20,000,000.00	\$3,813,298.83
GEN-2008-136	\$20,000,000.00	\$3,813,298.83
GEN-2009-001	\$20,000,000.00	\$299,691.18
GEN-2009-002	\$20,000,000.00	\$716,449.24
GEN-2009-007	\$20,000,000.00	\$3,949,744.56
GEN-2009-038	\$20,000,000.00	\$1,317,207.75
GEN-2009-039	\$20,000,000.00	\$580,992.18
<b>Upgrade Total</b>		<b>\$20,000,000.00</b>
<b>Borden County - Midland 345kV</b>		<b>\$75,000,000.00</b>
Construct approximately 70 miles of 345kV line		
GEN-2008-069	\$75,000,000.00	\$4,801,440.48
GEN-2008-072	\$75,000,000.00	\$1,171,329.87
GEN-2008-093	\$75,000,000.00	\$4,685,605.16
GEN-2008-101	\$75,000,000.00	\$807,124.37
GEN-2008-102	\$75,000,000.00	\$414,570.78
GEN-2008-132	\$75,000,000.00	\$8,371,693.28
GEN-2008-135	\$75,000,000.00	\$15,493,780.11
GEN-2008-136	\$75,000,000.00	\$15,493,780.11
GEN-2009-007	\$75,000,000.00	\$16,048,171.48
GEN-2009-038	\$75,000,000.00	\$5,351,929.96
GEN-2009-039	\$75,000,000.00	\$2,360,574.42
<b>Upgrade Total</b>		<b>\$75,000,000.00</b>
<b>Bushland - Potter County 345kV</b>		<b>\$25,000,000.00</b>
New 345kV transmission line approximately 30 miles long. Project also includes		
GEN-2008-067	\$25,000,000.00	\$1,589,687.59
GEN-2008-069	\$25,000,000.00	\$2,624,678.05
GEN-2008-072	\$25,000,000.00	\$2,867,516.58
GEN-2008-084	\$25,000,000.00	\$5,064,863.08
GEN-2008-093	\$25,000,000.00	\$4,414,422.53

<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
GEN-2008-101	\$25,000,000.00	\$310,042.54
GEN-2008-102	\$25,000,000.00	\$450,058.27
GEN-2008-120	\$25,000,000.00	\$2,532,531.91
GEN-2008-121	\$25,000,000.00	\$629,601.73
GEN-2008-130	\$25,000,000.00	\$1,259,203.47
GEN-2009-023S	\$25,000,000.00	\$20,556.74
GEN-2009-024S	\$25,000,000.00	\$20,556.74
GEN-2009-038	\$25,000,000.00	\$1,830,329.73
GEN-2009-039	\$25,000,000.00	\$1,290,393.55
GEN-2009-044S	\$25,000,000.00	\$95,557.47
<b>Upgrade Total</b>		<b>\$25,000,000.00</b>
<b>Bushland 345kV</b>		<b>\$10,000,000.00</b>
Add 345kV station at Bushland and stepdown to 230kV		
GEN-2008-067	\$10,000,000.00	\$815,800.92
GEN-2008-069	\$10,000,000.00	\$288,035.47
GEN-2008-072	\$10,000,000.00	\$490,796.52
GEN-2008-084	\$10,000,000.00	\$4,791,533.99
GEN-2008-093	\$10,000,000.00	\$571,454.45
GEN-2008-101	\$10,000,000.00	\$36,065.94
GEN-2008-120	\$10,000,000.00	\$1,951,206.21
GEN-2008-121	\$10,000,000.00	\$94,416.87
GEN-2008-130	\$10,000,000.00	\$188,833.75
GEN-2009-023S	\$10,000,000.00	\$47,917.79
GEN-2009-024S	\$10,000,000.00	\$47,917.79
GEN-2009-033	\$10,000,000.00	\$21,493.29
GEN-2009-038	\$10,000,000.00	\$205,629.84
GEN-2009-039	\$10,000,000.00	\$141,609.41
GEN-2009-041	\$10,000,000.00	\$258,056.48
GEN-2009-044S	\$10,000,000.00	\$49,231.31
<b>Upgrade Total</b>		<b>\$10,000,000.00</b>
<b>Cimarron - Matthewson 345kV ckt #2</b>		<b>\$24,000,000.00</b>
Build new station where Woodward - Northwest crosses Cimarron - Woodring. Build second line to Cimarron		
GEN-2008-042	\$24,000,000.00	\$3,745,747.53
GEN-2008-043	\$24,000,000.00	\$3,745,747.53
GEN-2008-073	\$24,000,000.00	\$921,127.99
GEN-2008-074	\$24,000,000.00	\$921,127.99
GEN-2008-075	\$24,000,000.00	\$921,127.99
GEN-2008-076	\$24,000,000.00	\$921,127.99
GEN-2008-091	\$24,000,000.00	\$1,320,888.90
GEN-2008-096	\$24,000,000.00	\$313,183.52
GEN-2008-097	\$24,000,000.00	\$313,183.52
GEN-2008-104	\$24,000,000.00	\$243,500.69
GEN-2008-105	\$24,000,000.00	\$132,907.67

<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
GEN-2008-106	\$24,000,000.00	\$1,270,839.50
GEN-2008-107	\$24,000,000.00	\$1,270,839.50
GEN-2008-111	\$24,000,000.00	\$946,556.32
GEN-2008-113	\$24,000,000.00	\$430,436.34
GEN-2008-114	\$24,000,000.00	\$1,270,839.50
GEN-2008-126	\$24,000,000.00	\$1,498,299.01
GEN-2008-134	\$24,000,000.00	\$3,812,518.50
<b>Upgrade Total</b>		<b>\$24,000,000.00</b>
<b>Eddy County - Hobbs 345kV</b>		<b>\$56,000,000.00</b>
Construct approximately 56 miles of 345kV		
GEN-2008-131	\$56,000,000.00	\$21,643.88
GEN-2008-132	\$56,000,000.00	\$28,252,150.84
GEN-2008-135	\$56,000,000.00	\$8,979,716.22
GEN-2008-136	\$56,000,000.00	\$8,979,716.22
GEN-2009-001	\$56,000,000.00	\$137,363.62
GEN-2009-002	\$56,000,000.00	\$328,384.90
GEN-2009-007	\$56,000,000.00	\$9,301,024.33
<b>Upgrade Total</b>		<b>\$56,000,000.00</b>
<b>GEN-2008-042 Interconnection Cost</b>		<b>\$3,000,000.00</b>
See one-line diagram		
GEN-2008-042	\$3,000,000.00	\$3,000,000.00
<b>Upgrade Total</b>		<b>\$3,000,000.00</b>
<b>GEN-2008-043 Interconnection Cost</b>		<b>\$3,000,000.00</b>
See one-line diagram		
GEN-2008-043	\$3,000,000.00	\$3,000,000.00
<b>Upgrade Total</b>		<b>\$3,000,000.00</b>
<b>GEN-2008-067 Interconnection Cost</b>		<b>\$2,000,000.00</b>
See one-line diagram		
GEN-2008-067	\$2,000,000.00	\$2,000,000.00
<b>Upgrade Total</b>		<b>\$2,000,000.00</b>
<b>GEN-2008-069 Interconnection Cost</b>		<b>\$2,000,000.00</b>
See one-line diagram		
GEN-2008-069	\$2,000,000.00	\$2,000,000.00
<b>Upgrade Total</b>		<b>\$2,000,000.00</b>
<b>GEN-2008-070S Interconnection Cost</b>		<b>\$1,000.00</b>
See one-line diagram		
GEN-2008-070S	\$1,000.00	\$1,000.00
<b>Upgrade Total</b>		<b>\$1,000.00</b>
<b>GEN-2008-072 Interconnection Cost</b>		<b>\$4,000,000.00</b>
See one-line diagram		

<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
GEN-2008-072	\$4,000,000.00	\$4,000,000.00
<b>Upgrade Total</b>		<b>\$4,000,000.00</b>
<b>GEN-2008-073 Interconnection Cost</b>		<b>\$3,000,000.00</b>
See one-line diagram		
GEN-2008-073	\$3,000,000.00	\$3,000,000.00
<b>Upgrade Total</b>		<b>\$3,000,000.00</b>
<b>GEN-2008-074 Interconnection Cost</b>		<b>\$3,000,000.00</b>
See one-line diagram		
GEN-2008-074	\$3,000,000.00	\$3,000,000.00
<b>Upgrade Total</b>		<b>\$3,000,000.00</b>
<b>GEN-2008-075 Interconnection Cost</b>		<b>\$3,000,000.00</b>
See one-line diagram		
GEN-2008-075	\$3,000,000.00	\$3,000,000.00
<b>Upgrade Total</b>		<b>\$3,000,000.00</b>
<b>GEN-2008-076 Interconnection Cost</b>		<b>\$3,000,000.00</b>
See one-line diagram		
GEN-2008-076	\$3,000,000.00	\$3,000,000.00
<b>Upgrade Total</b>		<b>\$3,000,000.00</b>
<b>GEN-2008-077 Interconnection Cost</b>		<b>\$6,000,000.00</b>
See one-line diagram		
GEN-2008-077	\$6,000,000.00	\$6,000,000.00
<b>Upgrade Total</b>		<b>\$6,000,000.00</b>
<b>GEN-2008-082 Interconnection Cost</b>		<b>\$6,000,000.00</b>
See one-line diagram		
GEN-2008-082	\$6,000,000.00	\$6,000,000.00
<b>Upgrade Total</b>		<b>\$6,000,000.00</b>
<b>GEN-2008-084 Interconnection Cost</b>		<b>\$1,000,000.00</b>
See one-line diagram		
GEN-2008-084	\$1,000,000.00	\$1,000,000.00
<b>Upgrade Total</b>		<b>\$1,000,000.00</b>
<b>GEN-2008-086 Interconnection Cost</b>		<b>\$2,000,000.00</b>
See one-line diagram		
GEN-2008-086	\$2,000,000.00	\$2,000,000.00
<b>Upgrade Total</b>		<b>\$2,000,000.00</b>
<b>GEN-2008-090 Interconnection Cost</b>		<b>\$6,000,000.00</b>
See one-line diagram		
GEN-2008-090	\$6,000,000.00	\$6,000,000.00
<b>Upgrade Total</b>		<b>\$6,000,000.00</b>

<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
<b>GEN-2008-091 Interconnection Cost</b>		<b>\$6,000,000.00</b>
See one-line diagram		
GEN-2008-091	\$6,000,000.00	\$6,000,000.00
<b>Upgrade Total</b>		<b>\$6,000,000.00</b>
<b>GEN-2008-093 Interconnection Cost</b>		<b>\$2,500,000.00</b>
See one-line diagram		
GEN-2008-093	\$2,500,000.00	\$2,500,000.00
<b>Upgrade Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2008-096 Interconnection Cost</b>		<b>\$6,000,000.00</b>
See one-line diagram		
GEN-2008-096	\$6,000,000.00	\$6,000,000.00
<b>Upgrade Total</b>		<b>\$6,000,000.00</b>
<b>GEN-2008-097 Interconnection Cost</b>		<b>\$3,000,000.00</b>
See one-line diagram		
GEN-2008-097	\$3,000,000.00	\$3,000,000.00
<b>Upgrade Total</b>		<b>\$3,000,000.00</b>
<b>GEN-2008-101 Interconnection Cost</b>		<b>\$1,000,000.00</b>
See one-line diagram		
GEN-2008-101	\$1,000,000.00	\$1,000,000.00
<b>Upgrade Total</b>		<b>\$1,000,000.00</b>
<b>GEN-2008-102 Interconnection Cost</b>		<b>\$1,000,000.00</b>
See one-line diagram		
GEN-2008-102	\$1,000,000.00	\$1,000,000.00
<b>Upgrade Total</b>		<b>\$1,000,000.00</b>
<b>GEN-2008-103 Interconnection Cost</b>		<b>\$2,500,000.00</b>
See one-line diagram		
GEN-2008-103	\$2,500,000.00	\$2,500,000.00
<b>Upgrade Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2008-104 Interconnection Cost</b>		<b>\$3,500,000.00</b>
See one-line diagram		
GEN-2008-104	\$3,500,000.00	\$3,500,000.00
<b>Upgrade Total</b>		<b>\$3,500,000.00</b>
<b>GEN-2008-105 Interconnection Cost</b>		<b>\$6,000,000.00</b>
See one-line diagram		
GEN-2008-105	\$6,000,000.00	\$6,000,000.00
<b>Upgrade Total</b>		<b>\$6,000,000.00</b>
<b>GEN-2008-106 Interconnection Cost</b>		<b>\$6,000,000.00</b>
See one-line diagram		
GEN-2008-106	\$6,000,000.00	\$6,000,000.00

<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
<b>Upgrade Total</b>		<b>\$6,000,000.00</b>
<b>GEN-2008-107 Interconnection Cost</b>		<b>\$2,500,000.00</b>
See one-line diagram		
GEN-2008-107	\$2,500,000.00	\$2,500,000.00
<b>Upgrade Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2008-109 Interconnection Cost</b>		<b>\$2,000,000.00</b>
See one-line diagram		
GEN-2008-109	\$2,000,000.00	\$2,000,000.00
<b>Upgrade Total</b>		<b>\$2,000,000.00</b>
<b>GEN-2008-111 Interconnection Cost</b>		<b>\$2,500,000.00</b>
See one-line diagram		
GEN-2008-111	\$2,500,000.00	\$2,500,000.00
<b>Upgrade Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2008-112 Interconnection Cost</b>		<b>\$2,500,000.00</b>
See one-line diagram		
GEN-2008-112	\$2,500,000.00	\$2,500,000.00
<b>Upgrade Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2008-113 Interconnection Cost</b>		<b>\$6,000,000.00</b>
See one-line diagram		
GEN-2008-113	\$6,000,000.00	\$6,000,000.00
<b>Upgrade Total</b>		<b>\$6,000,000.00</b>
<b>GEN-2008-114 Interconnection Cost</b>		<b>\$6,000,000.00</b>
See one-line diagram		
GEN-2008-114	\$6,000,000.00	\$6,000,000.00
<b>Upgrade Total</b>		<b>\$6,000,000.00</b>
<b>GEN-2008-115 Interconnection Cost</b>		<b>\$2,500,000.00</b>
See one-line diagram		
GEN-2008-115	\$2,500,000.00	\$2,500,000.00
<b>Upgrade Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2008-120 Interconnection Cost</b>		<b>\$2,000,000.00</b>
See one-line diagram		
GEN-2008-120	\$2,000,000.00	\$2,000,000.00
<b>Upgrade Total</b>		<b>\$2,000,000.00</b>
<b>GEN-2008-121 Interconnection Cost</b>		<b>\$2,500,000.00</b>
See one-line diagram		
GEN-2008-121	\$2,500,000.00	\$2,500,000.00
<b>Upgrade Total</b>		<b>\$2,500,000.00</b>



<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
<b>GEN-2008-126 Interconnection Cost</b>		<b>\$2,500,000.00</b>
See one-line diagram		
GEN-2008-126	\$2,500,000.00	\$2,500,000.00
<b>Upgrade Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2008-130 Interconnection Cost</b>		<b>\$2,500,000.00</b>
See one-line diagram		
GEN-2008-130	\$2,500,000.00	\$2,500,000.00
<b>Upgrade Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2008-131 Interconnection Cost</b>		<b>\$4,000,000.00</b>
See one-line diagram		
GEN-2008-131	\$4,000,000.00	\$4,000,000.00
<b>Upgrade Total</b>		<b>\$4,000,000.00</b>
<b>GEN-2008-132 Interconnection Cost</b>		<b>\$8,000,000.00</b>
See one-line diagram		
GEN-2008-132	\$8,000,000.00	\$8,000,000.00
<b>Upgrade Total</b>		<b>\$8,000,000.00</b>
<b>GEN-2008-134 Interconnection Cost</b>		<b>\$1,000,000.00</b>
See one-line diagram		
GEN-2008-134	\$1,000,000.00	\$1,000,000.00
<b>Upgrade Total</b>		<b>\$1,000,000.00</b>
<b>GEN-2008-135 Interconnection Cost</b>		<b>\$6,000,000.00</b>
See one-line diagram		
GEN-2008-135	\$6,000,000.00	\$6,000,000.00
<b>Upgrade Total</b>		<b>\$6,000,000.00</b>
<b>GEN-2008-136 Interconnection Cost</b>		<b>\$3,000,000.00</b>
See one-line diagram		
GEN-2008-136	\$3,000,000.00	\$3,000,000.00
<b>Upgrade Total</b>		<b>\$3,000,000.00</b>
<b>GEN-2009-001 Interconnection Cost</b>		<b>\$1,500,000.00</b>
See one-line diagram		
GEN-2009-001	\$1,500,000.00	\$1,500,000.00
<b>Upgrade Total</b>		<b>\$1,500,000.00</b>
<b>GEN-2009-002 Interconnection Cost</b>		<b>\$1,500,000.00</b>
See one-line diagram		
GEN-2009-002	\$1,500,000.00	\$1,500,000.00
<b>Upgrade Total</b>		<b>\$1,500,000.00</b>
<b>GEN-2009-007 Interconnection Cost</b>		<b>\$8,000,000.00</b>
See one-line diagram		
GEN-2009-007	\$8,000,000.00	\$8,000,000.00

<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
<b>Upgrade Total</b>		<b>\$8,000,000.00</b>
<b>GEN-2009-023S Interconnection Cost</b>		<b>\$1,000,000.00</b>
See one-line diagram		
GEN-2009-023S	\$1,000,000.00	\$1,000,000.00
<b>Upgrade Total</b>		<b>\$1,000,000.00</b>
<b>GEN-2009-024S Interconnection Cost</b>		<b>\$1,000,000.00</b>
See one-line diagram		
GEN-2009-024S	\$1,000,000.00	\$1,000,000.00
<b>Upgrade Total</b>		<b>\$1,000,000.00</b>
<b>GEN-2009-032S Interconnection Cost</b>		<b>\$400,000.00</b>
See one-line diagram		
GEN-2009-032S	\$400,000.00	\$400,000.00
<b>Upgrade Total</b>		<b>\$400,000.00</b>
<b>GEN-2009-033 Interconnection Cost</b>		<b>\$1,000,000.00</b>
See one-line diagram		
GEN-2009-033	\$1,000,000.00	\$1,000,000.00
<b>Upgrade Total</b>		<b>\$1,000,000.00</b>
<b>GEN-2009-034 Interconnection Cost</b>		<b>\$2,500,000.00</b>
See one-line diagram		
GEN-2009-034	\$2,500,000.00	\$2,500,000.00
<b>Upgrade Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2009-035 Interconnection Cost</b>		<b>\$2,500,000.00</b>
See one-line diagram		
GEN-2009-035	\$2,500,000.00	\$2,500,000.00
<b>Upgrade Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2009-036 Interconnection Cost</b>		<b>\$6,000,000.00</b>
See one-line diagram		
GEN-2009-036	\$6,000,000.00	\$6,000,000.00
<b>Upgrade Total</b>		<b>\$6,000,000.00</b>
<b>GEN-2009-037 Interconnection Cost</b>		<b>\$2,500,000.00</b>
See one-line diagram		
GEN-2009-037	\$2,500,000.00	\$2,500,000.00
<b>Upgrade Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2009-038 Interconnection Cost</b>		<b>\$2,000,000.00</b>
See one-line diagram		
GEN-2009-038	\$2,000,000.00	\$2,000,000.00
<b>Upgrade Total</b>		<b>\$2,000,000.00</b>

<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
<b>GEN-2009-039 Interconnection Cost</b>		<b>\$2,500,000.00</b>
See one-line diagram		
GEN-2009-039	\$2,500,000.00	\$2,500,000.00
<b>Upgrade Total</b>		<b>\$2,500,000.00</b>
<b>GEN-2009-041 Interconnection Cost</b>		<b>\$4,000,000.00</b>
See one-line diagram		
GEN-2009-041	\$4,000,000.00	\$4,000,000.00
<b>Upgrade Total</b>		<b>\$4,000,000.00</b>
<b>GEN-2009-042 Interconnection Cost</b>		<b>\$6,000,000.00</b>
See one-line diagram		
GEN-2009-042	\$6,000,000.00	\$6,000,000.00
<b>Upgrade Total</b>		<b>\$6,000,000.00</b>
<b>GEN-2009-044S Interconnection Cost</b>		<b>\$1,000,000.00</b>
See one-line diagram		
GEN-2009-044S	\$1,000,000.00	\$1,000,000.00
<b>Upgrade Total</b>		<b>\$1,000,000.00</b>
<b>Grassland - Jones 345kV</b>		<b>\$10,000,000.00</b>
Convert the Borden County - Jones 230kV line to 345kV operation.		
GEN-2008-069	\$10,000,000.00	\$593,546.85
GEN-2008-072	\$10,000,000.00	\$140,530.96
GEN-2008-093	\$10,000,000.00	\$550,408.80
GEN-2008-101	\$10,000,000.00	\$103,585.90
GEN-2008-102	\$10,000,000.00	\$51,421.58
GEN-2008-131	\$10,000,000.00	\$31,893.10
GEN-2008-132	\$10,000,000.00	\$1,105,353.82
GEN-2008-135	\$10,000,000.00	\$1,986,691.34
GEN-2008-136	\$10,000,000.00	\$1,986,691.34
GEN-2009-001	\$10,000,000.00	\$122,631.82
GEN-2009-002	\$10,000,000.00	\$293,166.69
GEN-2009-007	\$10,000,000.00	\$2,057,778.23
GEN-2009-038	\$10,000,000.00	\$684,488.90
GEN-2009-039	\$10,000,000.00	\$291,810.66
<b>Upgrade Total</b>		<b>\$10,000,000.00</b>
<b>Grassland 345/115kV auto</b>		<b>\$5,000,000.00</b>
Add 345/115kV auto at Grassland		
GEN-2008-069	\$5,000,000.00	\$271,615.15
GEN-2008-093	\$5,000,000.00	\$282,099.79
GEN-2008-101	\$5,000,000.00	\$29,800.70
GEN-2008-102	\$5,000,000.00	\$14,470.75
GEN-2008-121	\$5,000,000.00	\$67,432.62
GEN-2008-130	\$5,000,000.00	\$134,865.25

<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
GEN-2008-132	\$5,000,000.00	\$337,402.52
GEN-2008-135	\$5,000,000.00	\$1,149,063.87
GEN-2008-136	\$5,000,000.00	\$1,149,063.87
GEN-2009-007	\$5,000,000.00	\$1,190,179.15
GEN-2009-038	\$5,000,000.00	\$240,469.79
GEN-2009-039	\$5,000,000.00	\$133,536.54
<b>Upgrade Total</b>		<b>\$5,000,000.00</b>
<b>Hitchland - Woodward 345kV ckt 2</b>		<b>\$168,000,000.00</b>
Build second circuit approximately 120 miles long		
GEN-2008-067	\$168,000,000.00	\$12,449,572.81
GEN-2008-082	\$168,000,000.00	\$8,942,373.56
GEN-2008-084	\$168,000,000.00	\$28,161,218.03
GEN-2008-090	\$168,000,000.00	\$13,413,560.34
GEN-2008-109	\$168,000,000.00	\$22,531,978.02
GEN-2008-120	\$168,000,000.00	\$20,526,793.84
GEN-2009-023S	\$168,000,000.00	\$1,897,371.76
GEN-2009-024S	\$168,000,000.00	\$1,897,371.76
GEN-2009-033	\$168,000,000.00	\$13,431,481.80
GEN-2009-041	\$168,000,000.00	\$43,569,666.90
GEN-2009-044S	\$168,000,000.00	\$1,178,611.18
<b>Upgrade Total</b>		<b>\$168,000,000.00</b>
<b>Hitchland 230/115kV transformer ckt 2</b>		<b>\$4,000,000.00</b>
Add second 230/115kV auto		
GEN-2008-067	\$4,000,000.00	\$112,977.61
GEN-2008-084	\$4,000,000.00	\$236,082.59
GEN-2008-109	\$4,000,000.00	\$3,256,657.15
GEN-2008-120	\$4,000,000.00	\$172,751.80
GEN-2009-023S	\$4,000,000.00	\$47,833.78
GEN-2009-024S	\$4,000,000.00	\$47,833.78
GEN-2009-033	\$4,000,000.00	\$113,273.55
GEN-2009-044S	\$4,000,000.00	\$12,589.74
<b>Upgrade Total</b>		<b>\$4,000,000.00</b>
<b>Hobbs - Midland 345kV</b>		<b>\$20,000,000.00</b>
Convert Hobbs - Midland 230kV to 345kV operation		
GEN-2008-069	\$20,000,000.00	\$1,029,865.59
GEN-2008-072	\$20,000,000.00	\$251,266.85
GEN-2008-093	\$20,000,000.00	\$1,005,009.82
GEN-2008-101	\$20,000,000.00	\$173,114.21
GEN-2008-102	\$20,000,000.00	\$88,918.58
GEN-2008-131	\$20,000,000.00	\$239,398.82
GEN-2008-132	\$20,000,000.00	\$6,639,224.21
GEN-2008-135	\$20,000,000.00	\$2,933,886.54

<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
GEN-2008-136	\$20,000,000.00	\$2,933,886.54
GEN-2009-001	\$20,000,000.00	\$3,634.70
GEN-2009-002	\$20,000,000.00	\$8,689.20
GEN-2009-007	\$20,000,000.00	\$3,038,865.53
GEN-2009-038	\$20,000,000.00	\$1,147,917.52
GEN-2009-039	\$20,000,000.00	\$506,321.88
<b>Upgrade Total</b>		<b>\$20,000,000.00</b>
<b>Hobbs 345/230kV autotransformer</b>		<b>\$8,000,000.00</b>
Add 345/230kv autotransformer		
GEN-2008-131	\$8,000,000.00	\$203,017.67
GEN-2008-132	\$8,000,000.00	\$3,760,733.08
GEN-2008-135	\$8,000,000.00	\$1,306,550.25
GEN-2008-136	\$8,000,000.00	\$1,306,550.25
GEN-2009-001	\$8,000,000.00	\$20,600.36
GEN-2009-002	\$8,000,000.00	\$49,247.74
GEN-2009-007	\$8,000,000.00	\$1,353,300.64
<b>Upgrade Total</b>		<b>\$8,000,000.00</b>
<b>Jones 345/230kV transformer</b>		<b>\$5,000,000.00</b>
Install new 345/230kV auto		
GEN-2008-072	\$5,000,000.00	\$222,489.33
GEN-2008-101	\$5,000,000.00	\$12,259.70
GEN-2008-102	\$5,000,000.00	\$8,773.77
GEN-2008-131	\$5,000,000.00	\$427,264.05
GEN-2008-132	\$5,000,000.00	\$58,835.19
GEN-2008-135	\$5,000,000.00	\$538,195.85
GEN-2008-136	\$5,000,000.00	\$538,195.85
GEN-2009-001	\$5,000,000.00	\$769,278.17
GEN-2009-002	\$5,000,000.00	\$1,839,055.62
GEN-2009-007	\$5,000,000.00	\$557,453.33
GEN-2009-038	\$5,000,000.00	\$28,199.15
<b>Upgrade Total</b>		<b>\$5,000,000.00</b>
<b>Lamb County 230/115kV autotransformer #2</b>		<b>\$2,000,000.00</b>
Add second autotransformer		
GEN-2008-069	\$2,000,000.00	\$39,107.17
GEN-2008-072	\$2,000,000.00	\$1,808,665.95
GEN-2008-093	\$2,000,000.00	\$125,153.49
GEN-2008-102	\$2,000,000.00	\$7,846.79
GEN-2009-039	\$2,000,000.00	\$19,226.60
<b>Upgrade Total</b>		<b>\$2,000,000.00</b>
<b>Midland - Motley County 345kV ckt #1</b>		<b>\$170,000,000.00</b>
Construct approximately 170 miles of 345kV line		
GEN-2008-131	\$170,000,000.00	\$3,316,513.74

<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
GEN-2008-132	\$170,000,000.00	\$30,666,549.52
GEN-2008-135	\$170,000,000.00	\$41,448,397.82
GEN-2008-136	\$170,000,000.00	\$41,448,397.82
GEN-2009-001	\$170,000,000.00	\$3,004,949.12
GEN-2009-002	\$170,000,000.00	\$7,183,706.49
GEN-2009-007	\$170,000,000.00	\$42,931,485.50
<b>Upgrade Total</b>		<b>\$170,000,000.00</b>
<b>Midland - Tuco 345kV ckt #1</b>		<b>\$135,000,000.00</b>
Construct approximately 135 miles of 345kV line		
GEN-2008-131	\$135,000,000.00	\$517,604.64
GEN-2008-132	\$135,000,000.00	\$21,570,195.77
GEN-2008-135	\$135,000,000.00	\$37,152,168.24
GEN-2008-136	\$135,000,000.00	\$37,152,168.24
GEN-2009-001	\$135,000,000.00	\$37,259.48
GEN-2009-002	\$135,000,000.00	\$89,073.44
GEN-2009-007	\$135,000,000.00	\$38,481,530.19
<b>Upgrade Total</b>		<b>\$135,000,000.00</b>
<b>Midland 345/138kV auto</b>		<b>\$5,000,000.00</b>
Add 345/138kV auto		
GEN-2008-069	\$5,000,000.00	\$320,179.84
GEN-2008-072	\$5,000,000.00	\$78,248.33
GEN-2008-093	\$5,000,000.00	\$312,403.50
GEN-2008-101	\$5,000,000.00	\$53,788.19
GEN-2008-102	\$5,000,000.00	\$27,629.39
GEN-2008-132	\$5,000,000.00	\$558,118.98
GEN-2008-135	\$5,000,000.00	\$1,032,830.74
GEN-2008-136	\$5,000,000.00	\$1,032,830.74
GEN-2009-007	\$5,000,000.00	\$1,069,787.02
GEN-2009-038	\$5,000,000.00	\$356,770.43
GEN-2009-039	\$5,000,000.00	\$157,412.83
<b>Upgrade Total</b>		<b>\$5,000,000.00</b>
<b>Motley County - Lawton East Side</b>		<b>\$200,000,000.00</b>
Construct approximately 152 miles of 345kV line		
GEN-2008-131	\$200,000,000.00	\$8,346,922.34
GEN-2008-132	\$200,000,000.00	\$41,840,763.13
GEN-2008-135	\$200,000,000.00	\$39,710,495.68
GEN-2008-136	\$200,000,000.00	\$39,710,495.68
GEN-2009-001	\$200,000,000.00	\$8,629,655.20
GEN-2009-002	\$200,000,000.00	\$20,630,269.45
GEN-2009-007	\$200,000,000.00	\$41,131,398.54
<b>Upgrade Total</b>		<b>\$200,000,000.00</b>

**Upgrade****E + C Cost****Allocated Costs****Potter - Conway 345kV****\$35,000,000.00**

Construct approximately 35 miles of 345kV transmission

GEN-2008-067	\$35,000,000.00	\$2,198,763.47
GEN-2008-069	\$35,000,000.00	\$2,269,558.50
GEN-2008-072	\$35,000,000.00	\$2,816,037.75
GEN-2008-082	\$35,000,000.00	\$1,050,631.82
GEN-2008-084	\$35,000,000.00	\$5,964,844.22
GEN-2008-090	\$35,000,000.00	\$1,575,947.73
GEN-2008-093	\$35,000,000.00	\$3,770,747.00
GEN-2008-101	\$35,000,000.00	\$280,577.85
GEN-2008-102	\$35,000,000.00	\$399,702.50
GEN-2008-109	\$35,000,000.00	\$1,829,666.33
GEN-2008-120	\$35,000,000.00	\$3,847,053.53
GEN-2008-121	\$35,000,000.00	\$208,085.76
GEN-2008-130	\$35,000,000.00	\$416,171.51
GEN-2009-023S	\$35,000,000.00	\$191,809.58
GEN-2009-024S	\$35,000,000.00	\$191,809.58
GEN-2009-033	\$35,000,000.00	\$1,088,569.33
GEN-2009-038	\$35,000,000.00	\$1,652,704.51
GEN-2009-039	\$35,000,000.00	\$1,115,803.01
GEN-2009-041	\$35,000,000.00	\$3,974,129.06
GEN-2009-044S	\$35,000,000.00	\$157,386.97

**Upgrade Total****\$35,000,000.00****Potter - Frio Draw 345kV project\*****\$180,000,000.00**

New 345kV transmission line approximately 130 miles long. Project also includes 230kV work from Frio Draw to Roosevelt and Oasis

GEN-2008-069	\$180,000,000.00	\$22,605,630.12
GEN-2008-072	\$180,000,000.00	\$23,340,583.15
GEN-2008-082	\$180,000,000.00	\$4,222,534.28
GEN-2008-084	\$180,000,000.00	\$13,291,958.38
GEN-2008-090	\$180,000,000.00	\$6,333,801.42
GEN-2008-093	\$180,000,000.00	\$38,106,407.36
GEN-2008-101	\$180,000,000.00	\$2,634,829.47
GEN-2008-102	\$180,000,000.00	\$5,092,862.57
GEN-2008-109	\$180,000,000.00	\$4,348,387.66
GEN-2008-121	\$180,000,000.00	\$5,911,118.25
GEN-2008-130	\$180,000,000.00	\$11,822,236.50
GEN-2009-023S	\$180,000,000.00	\$482,687.61
GEN-2009-024S	\$180,000,000.00	\$482,687.61
GEN-2009-033	\$180,000,000.00	\$2,486,813.62
GEN-2009-038	\$180,000,000.00	\$15,580,034.17
GEN-2009-039	\$180,000,000.00	\$11,113,804.78
GEN-2009-041	\$180,000,000.00	\$8,720,718.16
GEN-2009-042	\$180,000,000.00	\$3,422,904.90

<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
<b>Upgrade Total</b>		<b>\$180,000,000.00</b>
<b>Tolk - Tuco 345kV ckt #1</b>		<b>\$44,000,000.00</b>
Construct approximately 44 miles of 345kV line		
GEN-2008-067	\$44,000,000.00	\$1,266,414.60
GEN-2008-069	\$44,000,000.00	\$7,296,849.54
GEN-2008-072	\$44,000,000.00	\$4,038,880.24
GEN-2008-084	\$44,000,000.00	\$1,359,965.22
GEN-2008-093	\$44,000,000.00	\$14,300,902.10
GEN-2008-101	\$44,000,000.00	\$439,016.98
GEN-2008-102	\$44,000,000.00	\$473,600.33
GEN-2008-109	\$44,000,000.00	\$168,524.03
GEN-2008-120	\$44,000,000.00	\$1,610,484.67
GEN-2008-131	\$44,000,000.00	\$612,253.99
GEN-2008-132	\$44,000,000.00	\$5,377,109.82
GEN-2009-023S	\$44,000,000.00	\$44,752.39
GEN-2009-024S	\$44,000,000.00	\$44,752.39
GEN-2009-033	\$44,000,000.00	\$142,348.22
GEN-2009-038	\$44,000,000.00	\$2,647,267.31
GEN-2009-039	\$44,000,000.00	\$3,587,414.32
GEN-2009-041	\$44,000,000.00	\$575,735.07
GEN-2009-044S	\$44,000,000.00	\$13,728.77
<b>Upgrade Total</b>		<b>\$44,000,000.00</b>
<b>Tuco - Jones 345kV</b>		<b>\$36,000,000.00</b>
Construct approximately 30 miles of 345kV		
GEN-2008-069	\$36,000,000.00	\$1,880,715.99
GEN-2008-072	\$36,000,000.00	\$1,211,696.44
GEN-2008-093	\$36,000,000.00	\$1,745,402.19
GEN-2008-101	\$36,000,000.00	\$387,686.76
GEN-2008-102	\$36,000,000.00	\$201,407.13
GEN-2008-131	\$36,000,000.00	\$1,316,481.34
GEN-2008-132	\$36,000,000.00	\$3,897,165.97
GEN-2008-135	\$36,000,000.00	\$4,859,457.09
GEN-2008-136	\$36,000,000.00	\$4,859,457.09
GEN-2009-001	\$36,000,000.00	\$2,152,015.11
GEN-2009-002	\$36,000,000.00	\$5,144,661.13
GEN-2009-007	\$36,000,000.00	\$5,033,335.97
GEN-2009-038	\$36,000,000.00	\$2,385,884.84
GEN-2009-039	\$36,000,000.00	\$924,632.95
<b>Upgrade Total</b>		<b>\$36,000,000.00</b>
<b>Viola - Rose Hill 345kV</b>		<b>\$50,000,000.00</b>
Build approximately 36 miles of new 345kV transmission line		
GEN-2008-042	\$50,000,000.00	\$3,955,270.81



<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
GEN-2008-043	\$50,000,000.00	\$3,955,270.81
GEN-2008-073	\$50,000,000.00	\$6,751,717.62
GEN-2008-074	\$50,000,000.00	\$6,751,717.62
GEN-2008-075	\$50,000,000.00	\$6,751,717.62
GEN-2008-076	\$50,000,000.00	\$6,751,717.62
GEN-2008-091	\$50,000,000.00	\$4,746,543.11
GEN-2008-096	\$50,000,000.00	\$2,295,583.99
GEN-2008-097	\$50,000,000.00	\$2,295,583.99
GEN-2008-104	\$50,000,000.00	\$300,112.69
GEN-2008-105	\$50,000,000.00	\$275,754.67
GEN-2008-106	\$50,000,000.00	\$339,739.93
GEN-2008-107	\$50,000,000.00	\$339,739.93
GEN-2008-111	\$50,000,000.00	\$1,083,386.83
GEN-2008-113	\$50,000,000.00	\$465,074.70
GEN-2008-114	\$50,000,000.00	\$339,739.93
GEN-2008-126	\$50,000,000.00	\$1,582,108.32
GEN-2008-134	\$50,000,000.00	\$1,019,219.79
<b>Upgrade Total</b>		<b>\$50,000,000.00</b>
<b>Viola - Sumner County 345kV</b>		<b>\$45,000,000.00</b>
Build approximately 32 miles of 345kV transmission		
GEN-2008-042	\$45,000,000.00	\$641,795.45
GEN-2008-043	\$45,000,000.00	\$641,795.45
GEN-2008-073	\$45,000,000.00	\$7,590,813.05
GEN-2008-074	\$45,000,000.00	\$7,590,813.05
GEN-2008-075	\$45,000,000.00	\$7,590,813.05
GEN-2008-076	\$45,000,000.00	\$7,590,813.05
GEN-2008-091	\$45,000,000.00	\$4,537,388.35
GEN-2008-096	\$45,000,000.00	\$2,580,876.44
GEN-2008-097	\$45,000,000.00	\$2,580,876.44
GEN-2008-111	\$45,000,000.00	\$3,397,297.50
GEN-2008-126	\$45,000,000.00	\$256,718.18
<b>Upgrade Total</b>		<b>\$45,000,000.00</b>
<b>Woodward - Woodring 345kV ckt #1</b>		<b>\$110,000,000.00</b>
Construct approximately 88 miles of 345kV		
GEN-2008-067	\$110,000,000.00	\$3,473,367.96
GEN-2008-082	\$110,000,000.00	\$7,806,175.44
GEN-2008-084	\$110,000,000.00	\$7,088,725.50
GEN-2008-086	\$110,000,000.00	\$11,558,846.24
GEN-2008-090	\$110,000,000.00	\$11,709,263.16
GEN-2008-103	\$110,000,000.00	\$13,870,615.49
GEN-2008-109	\$110,000,000.00	\$4,311,076.42
GEN-2008-112	\$110,000,000.00	\$23,117,692.48
GEN-2008-115	\$110,000,000.00	\$9,247,076.99

<b>Upgrade</b>	<b>E + C Cost</b>	<b>Allocated Costs</b>
GEN-2008-120	\$110,000,000.00	\$5,412,468.36
GEN-2009-023S	\$110,000,000.00	\$450,440.53
GEN-2009-024S	\$110,000,000.00	\$450,440.53
GEN-2009-033	\$110,000,000.00	\$2,526,749.16
GEN-2009-041	\$110,000,000.00	\$8,611,649.91
GEN-2009-044S	\$110,000,000.00	\$365,411.83
<b>Upgrade Total</b>		<b>\$110,000,000.00</b>
<b>All Upgrades Total</b>		<b>\$1,625,401,000.00</b>

**H: FCITC Analysis (No Upgrades)**

See Attachment



Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_115	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.1962	34.5	397.5963	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.80111	64.8	393.9468	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.80111	64.8	386.848	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.80111	64.8	385.6134	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.80111	64.8	378.5147	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.74464	143.3	353.827	'BASE CASE'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.74464	143.3	353.827	'BASE CASE'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.74464	143.3	353.827	'BASE CASE'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.92816	178.5	351.8126	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.92816	178.5	351.8126	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.92816	178.5	351.8126	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.92816	178.5	349.5157	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.92816	178.5	349.5157	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.92816	178.5	349.5157	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'
10G	G08_115	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.80111	64.8	332.1327	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_115	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.80111	64.8	325.0339	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_115	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.80111	64.8	323.7993	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_115	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.80111	64.8	316.7006	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	303.2567	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	303.2567	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	303.2567	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	301.9121	'BUFFALO - WEST 69KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	301.9121	'BUFFALO - WEST 69KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	301.9121	'BUFFALO - WEST 69KV CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	301.2958	'FREEDOM - WEST 69KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	301.2958	'FREEDOM - WEST 69KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	301.2958	'FREEDOM - WEST 69KV CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	298.2706	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	298.2706	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	298.2706	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77787	178.5	298.0753	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77787	178.5	298.0753	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77787	178.5	298.0753	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.774	178.5	295.696	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.774	178.5	295.696	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.774	178.5	295.696	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.774	178.5	295.696	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.774	178.5	295.696	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.774	178.5	295.696	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.74464	182.4	281.6524	'BASE CASE'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.74464	182.4	281.6524	'BASE CASE'
10G	G08_115	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.74464	182.4	281.6524	'BASE CASE'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.70839	178.5	281.6192	'FPL SWITCH - MOORELAND 138KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.70839	178.5	281.6192	'FPL SWITCH - MOORELAND 138KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.70839	178.5	281.6192	'FPL SWITCH - MOORELAND 138KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.92816	227.5	278.9826	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.92816	227.5	278.9826	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_115	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.92816	227.5	278.9826	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.92816	227.5	277.1804	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.92816	227.5	277.1804	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'
10G	G08_115	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.92816	227.5	277.1804	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'
10G	G08_084S0	'SOUTHWEST PORTLAND CEMENT TAP - SWITCH 2749 69KV CKT 1'	TO->FROM	1	88	274.1862	'VEGA SUB - WILDORADO 69KV CKT 1'
10G	G08_084S0	'NORTHWEST TAP - SOUTHWEST PORTLAND CEMENT TAP 69KV CKT 1'	TO->FROM	1	88	274.1862	'VEGA SUB - WILDORADO 69KV CKT 1'
10G	G08_084S0	'SOUTHWEST PORTLAND CEMENT TAP - SWITCH 2749 69KV CKT 1'	TO->FROM	1	88	269.7544	'BASE CASE'
10G	G08_103	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.49865	69.7	269.7202	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_103	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.49865	69.7	269.7202	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_084S0	'NORTHWEST TAP - SOUTHWEST PORTLAND CEMENT TAP 69KV CKT 1'	TO->FROM	1	88	269.6407	'BASE CASE'
10G	G08_103	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.49865	69.8	269.3338	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_103	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.49865	69.8	269.3338	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_103	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.49865	69.7	264.8422	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_103	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.49865	69.7	264.8422	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_103	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.49865	69.8	264.4627	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_103	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.49865	69.8	264.4627	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_103	'WOODWARD - WOODWARD 69KV CKT 1'	TO->FROM	0.50077	63.8	261.804	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_103	'WOODWARD - WOODWARD 69KV CKT 1'	TO->FROM	0.50077	63.8	257.1019	'IODINE - MOORELAND 138KV CKT 1'

Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_103	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'	FROM->TO	0.19564	34.4	255.5	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.20427	52.8	255.0887	'BASE CASE'
10G	G08_103	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.20427	52.8	255.0887	'BASE CASE'
10G	G08_115	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.20427	52.8	255.0887	'BASE CASE'
10G	G08_077S0	'BRANTLEY - DURHAM 138KV CKT 1'	TO->FROM	1	130	252.4772	'ELK CITY - FALCON ROAD 138KV CKT 1'
10G	G08_103	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'	FROM->TO	0.19564	34.4	251.4302	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20427	52.8	246.3766	'BASE CASE'
10G	G08_103	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20427	52.8	246.3766	'BASE CASE'
10G	G08_115	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20427	52.8	246.3766	'BASE CASE'
10G	G08_084S0	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'	TO->FROM	1	96.9	244.875	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'
10G	G08_084S0	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'	FROM->TO	1	96.9	244.875	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	240.8849	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	240.8849	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_115	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	240.8849	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	239.8739	'BUFFALO - WEST 69KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	239.8739	'BUFFALO - WEST 69KV CKT 1'
10G	G08_115	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	239.8739	'BUFFALO - WEST 69KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	239.3904	'FREEDOM - WEST 69KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	239.3904	'FREEDOM - WEST 69KV CKT 1'
10G	G08_115	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	239.3904	'FREEDOM - WEST 69KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	237.0167	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	237.0167	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_115	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	237.0167	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77787	227.5	236.8635	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77787	227.5	236.8635	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_115	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77787	227.5	236.8635	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.79302	227.5	236.3272	'WOODWARD - WOODWARD 69KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.79302	227.5	236.3272	'WOODWARD - WOODWARD 69KV CKT 1'
10G	G08_115	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.79302	227.5	236.3272	'WOODWARD - WOODWARD 69KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.774	227.5	234.9967	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.774	227.5	234.9967	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.774	227.5	234.9967	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.774	227.5	234.9967	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_115	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.774	227.5	234.9967	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_115	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.774	227.5	234.9967	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_086	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.49865	69.7	233.9491	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.49865	69.7	233.9491	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.49865	69.8	233.6139	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.49865	69.8	233.6139	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	232.0342	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	232.0342	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_115	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	232.0342	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	230.3366	'BUFFALO - WEST 69KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	230.3366	'BUFFALO - WEST 69KV CKT 1'
10G	G08_115	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	230.3366	'BUFFALO - WEST 69KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	229.565	'FREEDOM - WEST 69KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	229.565	'FREEDOM - WEST 69KV CKT 1'
10G	G08_115	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	229.565	'FREEDOM - WEST 69KV CKT 1'
10G	G08_086	'BUFFALO - WEST 69KV CKT 1'	FROM->TO	0.19564	64.8	229.2134	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_103	'BUFFALO - WEST 69KV CKT 1'	FROM->TO	0.19564	64.8	229.2134	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_115	'BUFFALO - WEST 69KV CKT 1'	FROM->TO	0.19564	64.8	229.2134	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.49865	69.7	229.071	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.49865	69.7	229.071	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.49865	69.8	228.7428	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.49865	69.8	228.7428	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.22331	69.7	227.108	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_086	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.22331	69.7	227.108	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_103	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.22331	69.7	227.108	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_103	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.22331	69.7	227.108	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_115	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.22331	69.7	227.108	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_115	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.22331	69.7	227.108	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_086	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'	FROM->TO	0.19564	34.4	227.0639	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'BUFFALO - WEST 69KV CKT 1'	FROM->TO	0.19564	64.8	227.0529	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_103	'BUFFALO - WEST 69KV CKT 1'	FROM->TO	0.19564	64.8	227.0529	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_115	'BUFFALO - WEST 69KV CKT 1'	FROM->TO	0.19564	64.8	227.0529	'IODINE - MOORELAND 138KV CKT 1'



## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_103	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.1962	34.5	210.8986	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20781	64.8	210.0804	'CLEO CORNER - MEN TAP 138KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20781	64.8	210.0804	'CLEO CORNER - MEN TAP 138KV CKT 1'
10G	G08_115	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20781	64.8	210.0804	'CLEO CORNER - MEN TAP 138KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20781	64.8	209.9261	'IMO TAP - MEN TAP 138KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20781	64.8	209.9261	'IMO TAP - MEN TAP 138KV CKT 1'
10G	G08_115	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20781	64.8	209.9261	'IMO TAP - MEN TAP 138KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20637	64.8	207.4373	'CEDARDALE - MOORELAND 138KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20637	64.8	207.4373	'CEDARDALE - MOORELAND 138KV CKT 1'
10G	G08_115	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20637	64.8	207.4373	'CEDARDALE - MOORELAND 138KV CKT 1'
10G	G08_103	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.1962	34.5	206.8406	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.50077	133.7	206.2473	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_103	'WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.50077	133.7	206.2473	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_115	'WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.50077	133.7	206.2473	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.50077	133.8	206.0184	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_103	'WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.50077	133.8	206.0184	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_115	'WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.50077	133.8	206.0184	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'CRTSJCT2 69.000 - WOODWARD 69KV CKT 1'	TO->FROM	0.21003	72	204.1891	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_103	'CRTSJCT2 69.000 - WOODWARD 69KV CKT 1'	TO->FROM	0.21003	72	204.1891	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_115	'CRTSJCT2 69.000 - WOODWARD 69KV CKT 1'	TO->FROM	0.21003	72	204.1891	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.50077	133.7	204.0035	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_103	'WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.50077	133.7	204.0035	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_115	'WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.50077	133.7	204.0035	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.50077	133.8	203.7763	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_103	'WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.50077	133.8	203.7763	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_115	'WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.50077	133.8	203.7763	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'CRTSJCT2 69.000 - WOODWARD 69KV CKT 1'	TO->FROM	0.21003	72	201.6891	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_103	'CRTSJCT2 69.000 - WOODWARD 69KV CKT 1'	TO->FROM	0.21003	72	201.6891	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_115	'CRTSJCT2 69.000 - WOODWARD 69KV CKT 1'	TO->FROM	0.21003	72	201.6891	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_115	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'	FROM->TO	0.19564	34.4	198.6279	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_084S0	'LAWRENCE PARK SUB 2 (WEST) - SONCY SUB 69KV CKT 1'	TO->FROM	0.56533	65.6	198.4162	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'
10G	G08_115	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.49865	69.7	198.1779	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_115	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.49865	69.7	198.1779	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_115	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.49865	69.8	197.894	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_115	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.49865	69.8	197.894	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_115	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'	FROM->TO	0.19564	34.4	194.5581	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_115	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.49865	69.7	193.2999	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_115	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.49865	69.7	193.2999	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_115	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.49865	69.8	193.0229	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_115	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.49865	69.8	193.0229	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'ALVA - FREEDOM 69KV CKT 1'	TO->FROM	0.19564	33.9	192.3599	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'ALVA - FREEDOM 69KV CKT 1'	TO->FROM	0.19564	33.9	188.5251	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.92816	178.5	188.0941	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.74464	143.3	187.7125	'BASE CASE'
10G	G08_084S0	'NORTH AMARILLO SWITCHING STATION - NORTHWEST INTERCHANGE 69KV CKT 1'	TO->FROM	0.41601	59	187.5997	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.92816	178.5	185.7972	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'
10G	G08_115	'WOODWARD - WOODWARD 69KV CKT 1'	TO->FROM	0.50077	63.8	183.3135	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_077S0	'MOREWOOD SW - MORWOOD 138KV CKT 1'	TO->FROM	1	178.9	182.9069	'ELK CITY - FALCON ROAD 138KV CKT 1'
10G	G08_077S0	'BRANTLEY - MORWOOD 138KV CKT 1'	FROM->TO	1	179	182.8047	'ELK CITY - FALCON ROAD 138KV CKT 1'
10G	G08_086	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.1962	34.5	182.4638	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'WOODWARD - WOODWARD 69KV CKT 1'	TO->FROM	0.2643	63.8	180.4815	'FPL SWITCH - WOODWARD 138KV CKT 1'
10G	G08_103	'WOODWARD - WOODWARD 69KV CKT 1'	TO->FROM	0.2643	63.8	180.4815	'FPL SWITCH - WOODWARD 138KV CKT 1'
10G	G08_115	'WOODWARD - WOODWARD 69KV CKT 1'	TO->FROM	0.2643	63.8	180.4815	'FPL SWITCH - WOODWARD 138KV CKT 1'
10G	G08_115	'WOODWARD - WOODWARD 69KV CKT 1'	TO->FROM	0.50077	63.8	178.6113	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.1962	34.5	178.4058	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.50139	496.9	176.6588	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'
10G	G08_072	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.47246	496.9	176.6588	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'
10G	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.55395	496.9	176.6588	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'
10G	G08_101	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.28778	496.9	176.6588	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'
10G	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.3073	496.9	176.6588	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'
10G	G09_038	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.29457	496.9	176.6588	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'
10G	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.50139	496.9	176.6588	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'
10G	G09_038	'HOBBS_INT 6 230.00 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.81836	148.7	175.7041	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_084S0	'HASTINGS SUB - NORTH AMARILLO SWITCHING STATION 69KV CKT 1'	TO->FROM	0.41601	59	174.8878	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'
10G	G08_077S0	'ELK CITY - FALCON ROAD 138KV CKT 1'	TO->FROM	1	187.9	174.6782	'BRANTLEY - DURHAM 138KV CKT 1'



Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_077S0	'ELK CITY - FALCON ROAD 138KV CKT 1'	TO->FROM	1	187.9	174.146	'BRANTLEY - MORWOOD 138KV CKT 1'
10G	G08_077S0	'ELK CITY - FALCON ROAD 138KV CKT 1'	TO->FROM	1	187.9	174.146	'MOREWOOD SW - MORWOOD 138KV CKT 1'
10G	G08_084S0	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'	FROM->TO	0.61855	96.9	167.7829	'NORTH AMARILLO SWITCHING STATION - NORTHWEST INTERCHANGE 69KV CKT 1'
10G	G08_084S0	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'	FROM->TO	0.67662	96.9	166.9288	'NORTHWEST INTERCHANGE 115/69KV TRANSFORMER CKT 1'
10G	G08_069	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.4	166.8862	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_093	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.4	166.8862	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G09_039	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.4	166.8862	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_069	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.4	166.8862	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_093	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.4	166.8862	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G09_039	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.4	166.8862	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	166.8382	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
10G	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	166.8382	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	166.8382	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
10G	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	166.8382	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	166.8382	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	166.8382	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	166.8382	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	166.8382	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	166.8382	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
10G	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	166.8382	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_069	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.7	166.7601	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_069	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.7	166.7601	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_093	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.7	166.7601	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_093	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.7	166.7601	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G09_039	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.7	166.7601	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G09_039	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.7	166.7601	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_084S0	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'	FROM->TO	0.61855	96.9	164.0678	'HASTINGS SUB - NORTH AMARILLO SWITCHING STATION 69KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.60635	616.7	163.7798	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.58387	616.7	163.7798	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.67205	616.7	163.7798	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.351	616.7	163.7798	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.33315	616.7	163.7798	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.35841	616.7	163.7798	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.60635	616.7	163.7798	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_115	'ALVA - FREEDOM 69KV CKT 1'	TO->FROM	0.19564	33.9	163.5044	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	163.442	'BUFFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G09_038	'HOBBS_INT 6 230.00 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.81836	148.7	163.4262	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.36702	496.9	163.2384	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
10G	G08_072	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.30096	496.9	163.2384	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
10G	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.39867	496.9	163.2384	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
10G	G08_101	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.19987	496.9	163.2384	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
10G	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.35079	496.9	163.2384	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
10G	G09_038	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.20751	496.9	163.2384	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
10G	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.36702	496.9	163.2384	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	162.0975	'BUFFALO - WEST 69KV CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.92816	178.5	162.0952	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.35892	350.3	162.0805	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_069	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.27517	350.3	162.0805	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_072	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.27961	350.3	162.0805	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_093	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.27961	350.3	162.0805	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_101	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24932	350.3	162.0805	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_102	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.28006	350.3	162.0805	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.5218	350.3	162.0805	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G09_038	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.25009	350.3	162.0805	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G09_039	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.27517	350.3	162.0805	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 2'	TO->FROM	0.36395	496.9	161.883	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_072	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.29751	496.9	161.883	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_093	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.39538	496.9	161.883	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_101	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.19794	496.9	161.883	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_102	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.34785	496.9	161.883	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G09_038	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.20553	496.9	161.883	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G09_039	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.36395	496.9	161.883	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.74464	143.3	161.7306	'BASE CASE'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	161.4812	'FREEDOM - WEST 69KV CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.92816	178.5	159.7983	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'
10G	G08_115	'ALVA - FREEDOM 69KV CKT 1'	TO->FROM	0.19564	33.9	159.6696	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	158.456	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77787	178.5	157.5692	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.774	178.5	157.1989	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.774	178.5	157.1989	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.34574	350.5	156.9527	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_069	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.26538	350.5	156.9527	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_072	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.26967	350.5	156.9527	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	-0.29264	350.5	156.9527	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_093	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.26971	350.5	156.9527	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_101	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.24027	350.5	156.9527	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_102	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.27009	350.5	156.9527	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.50557	350.5	156.9527	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_038	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.24102	350.5	156.9527	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_039	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.26538	350.5	156.9527	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27033	346.2	156.7555	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27033	346.2	156.7555	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27183	346.2	156.7555	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27183	346.2	156.7555	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.28189	346.2	156.7555	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.28189	346.2	156.7555	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G08_101	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.2092	346.2	156.7555	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_101	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.2092	346.2	156.7555	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26786	346.2	156.7555	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26786	346.2	156.7555	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G09_038	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.21025	346.2	156.7555	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G09_038	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.21025	346.2	156.7555	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27033	346.2	156.7555	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27033	346.2	156.7555	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25204	346.2	155.2622	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25122	346.2	155.2622	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26296	346.2	155.2622	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_101	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.19343	346.2	155.2622	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24964	346.2	155.2622	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G09_038	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.19571	346.2	155.2622	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25204	346.2	155.2622	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_084S0	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'	FROM->TO	0.5187	87.9	154.2132	'BASE CASE'
10G	G08_084	'BUSHLAND INTERCHANGE - COULTER INTERCHANGE 115KV CKT 1'	FROM->TO	0.25952	159.1	154.0892	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_115	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.1962	34.5	154.029	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_084S0	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'	FROM->TO	0.61855	96.9	153.9543	'HASTINGS SUB - VAN BUREN SUB 1 TAP 69KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22943	346.2	153.889	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23214	346.2	153.889	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24255	346.2	153.889	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22811	346.2	153.889	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22943	346.2	153.889	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_104	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.2077	358.7	153.0589	'CIMARRON - G08-106T 345.00 345KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25661	346.2	152.89	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25916	346.2	152.89	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27039	346.2	152.89	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25298	346.2	152.89	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25661	346.2	152.89	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
10G	G08_104	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.2077	359.5	152.8574	'CIMARRON - G08-106T 345.00 345KV CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.5786	349.1	152.3861	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22943	313.7	152.2996	'BASE CASE'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23214	313.7	152.2996	'BASE CASE'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24255	313.7	152.2996	'BASE CASE'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22811	313.7	152.2996	'BASE CASE'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22943	313.7	152.2996	'BASE CASE'
10G	G08_103	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.70839	178.5	151.6622	'FPL SWITCH - MOORELAND 138KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.74464	182.4	151.1469	'BASE CASE'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.92816	227.5	150.5266	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_115	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.1962	34.5	149.971	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24888	346.2	149.4952	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'

Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_072	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.2519	346.2	149.4952	G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_093	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26231	346.2	149.4952	G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_102	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.2479	346.2	149.4952	G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_039	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24888	346.2	149.4952	G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_069	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25133	346.2	149.0522	G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_072	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25406	346.2	149.0522	G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_093	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26492	346.2	149.0522	G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_102	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24886	346.2	149.0522	G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G09_039	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25133	346.2	149.0522	G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.92816	227.5	148.7244	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'
10G	G08_069	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24006	346.2	148.2094	PLANT X STATION 230/115KV TRANSFORMER CKT 1'
10G	G08_072	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22722	346.2	148.2094	PLANT X STATION 230/115KV TRANSFORMER CKT 1'
10G	G08_093	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25389	346.2	148.2094	PLANT X STATION 230/115KV TRANSFORMER CKT 1'
10G	G08_102	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23817	346.2	148.2094	PLANT X STATION 230/115KV TRANSFORMER CKT 1'
10G	G09_039	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24006	346.2	148.2094	PLANT X STATION 230/115KV TRANSFORMER CKT 1'
10G	G08_077S0	'BRANTLEY - DURHAM 138KV CKT 1'	TO->FROM	1	130	148.0643	'DURHAM - SWEETWATER 138KV CKT 1'
10G	G08_077S0	'DURHAM - SWEETWATER 138KV CKT 1'	FROM->TO	1	130	148.0643	'BRANTLEY - DURHAM 138KV CKT 1'
10G	G08_077S0	'DURHAM - SWEETWATER 138KV CKT 1'	FROM->TO	1	130	147.295	'BRANTLEY - MORWOOD 138KV CKT 1'
10G	G08_069	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24365	346.2	147.295	'MOREWOOD SW - MORWOOD 138KV CKT 1'
10G	G08_072	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24396	346.2	147.0841	PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_093	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25799	346.2	147.0841	PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_102	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.2417	346.2	147.0841	PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G09_039	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24365	346.2	147.0841	PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_069	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24044	346.2	146.4505	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
10G	G08_072	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24132	346.2	146.4505	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
10G	G08_093	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25241	346.2	146.4505	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
10G	G08_102	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23856	346.2	146.4505	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
10G	G09_039	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24044	346.2	146.4505	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
10G	G08_084S0	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'	FROM->TO	0.61855	96.9	146.4207	'EAST PLANT INTERCHANGE - VAN BUREN SUB 1 TAP 69KV CKT 1'
10G	G08_084S0	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'	TO->FROM	0.64174	96.9	145.8972	'LAWRENCE PARK SUB 2 (WEST) - SONCY SUB 69KV CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.25952	170.7	144.2625	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_084S0	'LAWRENCE PARK SUB1 (EAST) - SOUTH GEORGIA INTERCHANGE 69KV CKT 1'	FROM->TO	0.56533	65.7	143.9285	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'
10G	G08_084S0	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'	FROM->TO	0.51482	96.9	142.6743	BUSHLAND INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_084S0	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'	FROM->TO	0.51482	96.9	142.6743	BUSHLAND INTERCHANGE - COULTER INTERCHANGE 115KV CKT 1'
10G	G08_084S0	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'	FROM->TO	0.51357	96.9	141.7627	'AMARILLO SOUTH INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	141.6639	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.20427	52.8	140.8731	'BASE CASE'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	140.3193	'BUFFALO - WEST 69KV CKT 1'
10G	G08_084S0	'HASTINGS SUB - VAN BUREN SUB 1 TAP 69KV CKT 1'	FROM->TO	0.41601	59	140.142	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'
10G	G08_067	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'	FROM->TO	0.24309	95.3	139.7966	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_084S0	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'	FROM->TO	0.53537	96.9	139.7745	'EAST PLANT INTERCHANGE 115/69KV TRANSFORMER CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	139.7031	'FREEDOM - WEST 69KV CKT 1'
10G	G08_084S0	'LAWRENCE PARK SUB 2 (WEST) - SONCY SUB 69KV CKT 1'	TO->FROM	0.41139	65.6	139.2721	'SONCY SUB - WATERFIELD TAP 69KV CKT 1'
10G	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.3147	350.3	138.7412	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_069	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24012	350.3	138.7412	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_072	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24399	350.3	138.7412	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_084	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.36111	350.3	138.7412	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_093	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24387	350.3	138.7412	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_101	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21821	350.3	138.7412	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_102	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24443	350.3	138.7412	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.44712	350.3	138.7412	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_038	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21886	350.3	138.7412	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_039	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24012	350.3	138.7412	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_077S0	'ERICK - SWEETWATER 138KV CKT 1'	TO->FROM	1	129.9	137.7856	'BRANTLEY - DURHAM 138KV CKT 1'
10G	G08_077S0	'BRANTLEY - DURHAM 138KV CKT 1'	TO->FROM	1	130	137.6797	'ERICK - SWEETWATER 138KV CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.61117	349.1	137.3964	'BUSHLAND INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.61117	349.1	137.1673	'BUSHLAND INTERCHANGE - COULTER INTERCHANGE 115KV CKT 1'
10G	G08_077S0	'ERICK - SWEETWATER 138KV CKT 1'	TO->FROM	1	129.9	137.0158	'BRANTLEY - MORWOOD 138KV CKT 1'
10G	G08_077S0	'ERICK - SWEETWATER 138KV CKT 1'	TO->FROM	1	129.9	137.0158	'MOREWOOD SW - MORWOOD 138KV CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	136.6779	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_077S0	'CLINTON JUNCTION - ELK CITY 138KV CKT 1'	TO->FROM	0.28171	142.2	136.6324	'BECKHAM CO 230.00 - WHEELER 6 230.00 230KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.92816	178.5	136.0964	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_084S0	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'	TO->FROM	0.64174	96.9	135.8869	'LAWRENCE PARK SUB 2 (WEST) - LAWRENCE PARK SUB1 (EAST) 69KV CKT 1'
10G	G08_084S0	'LAWRENCE PARK SUB 2 (WEST) - SONCY SUB 69KV CKT 1'	TO->FROM	0.35472	65.6	135.8461	'NORTH AMARILLO SWITCHING STATION - NORTHWEST INTERCHANGE 69KV CKT 1'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77787	178.5	135.7801	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.74464	143.3	135.7488	'BASE CASE'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.774	178.5	135.5182	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.774	178.5	135.5182	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_121	'G05-15T 345.00 - G08-14 345.00 345KV CKT 1'	TO->FROM	0.99579	198.1	135.2209	'BASE CASE'
10G	G08_042	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.39445	956	135.0042	'G07-25T 345.00 - WICHITA 345KV CKT 1'
10G	G08_043	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.39445	956	135.0042	'G07-25T 345.00 - WICHITA 345KV CKT 1'
10G	G08_091	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.39445	956	135.0042	'G07-25T 345.00 - WICHITA 345KV CKT 1'
10G	G08_106	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.71616	956	135.0042	'G07-25T 345.00 - WICHITA 345KV CKT 1'
10G	G08_107	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.71616	956	135.0042	'G07-25T 345.00 - WICHITA 345KV CKT 1'
10G	G08_113	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.26561	956	135.0042	'G07-25T 345.00 - WICHITA 345KV CKT 1'
10G	G08_114	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.71616	956	135.0042	'G07-25T 345.00 - WICHITA 345KV CKT 1'
10G	G08_126	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.39445	956	135.0042	'G07-25T 345.00 - WICHITA 345KV CKT 1'
10G	G08_134	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.71616	956	135.0042	'G07-25T 345.00 - WICHITA 345KV CKT 1'
10G	G08_084S0	'LAWRENCE PARK SUB 2 (WEST) - SONCY SUB 69KV CKT 1'	TO->FROM	0.41139	65.6	134.699	'COULTER INTERCHANGE - WATERFIELD TAP 69KV CKT 1'
10G	G08_084S0	'LAWRENCE PARK SUB 2 (WEST) - SONCY SUB 69KV CKT 1'	TO->FROM	0.41139	65.6	134.699	'COULTER INTERCHANGE 115/69KV TRANSFORMER CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.92816	178.5	133.7994	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'
10G	G08_042	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.49218	956	133.239	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_043	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.49218	956	133.239	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_091	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.33263	956	133.239	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_106	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.74689	956	133.239	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_107	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.74689	956	133.239	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_113	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.49218	956	133.239	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_114	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.74689	956	133.239	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_126	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.49218	956	133.239	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_134	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.74689	956	133.239	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_084S0	'LAWRENCE PARK SUB 2 (WEST) - SONCY SUB 69KV CKT 1'	TO->FROM	0.38172	65.6	133.1542	'NORTHWEST INTERCHANGE 115/69KV TRANSFORMER CKT 1'
10G	G08_109	'MOORE COUNTY INTERCHANGE E. - SHERMAN COUNTY TAP 115KV CKT 1'	TO->FROM	0.29155	117.3	132.5938	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'
10G	G08_084S0	'LAWRENCE PARK SUB 2 (WEST) - SONCY SUB 69KV CKT 1'	TO->FROM	0.35472	65.6	132.4924	'HASTINGS SUB - NORTH AMARILLO SWITCHING STATION 69KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20427	52.8	132.161	'BASE CASE'
10G	G08_077S0	'BRANTLEY - DURHAM 138KV CKT 1'	TO->FROM	1	130	132.0643	'ERICK - SAYRE 138KV CKT 1'
10G	G08_086	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.70839	178.5	131.8193	'FPL SWITCH - MOORELAND 138KV CKT 1'
10G	G08_067	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.30245	350.4	131.6459	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_069	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.23022	350.4	131.6459	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_072	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.23394	350.4	131.6459	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.58507	350.4	131.6459	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_093	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.23377	350.4	131.6459	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_101	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20953	350.4	131.6459	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_102	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.23438	350.4	131.6459	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_120	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.42477	350.4	131.6459	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_038	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21015	350.4	131.6459	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_039	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.23022	350.4	131.6459	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_120	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.4183	349.1	131.3015	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	131.1842	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.39867	496.9	131.0327	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
10G	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	476.3	130.9034	'BASE CASE'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.77279	476.3	130.9034	'BASE CASE'
10G	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.19771	476.3	130.9034	'BASE CASE'
10G	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21103	476.3	130.9034	'BASE CASE'
10G	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	476.3	130.9034	'BASE CASE'
10G	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	476.3	130.8824	'BASE CASE'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.77279	476.3	130.8824	'BASE CASE'
10G	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.19771	476.3	130.8824	'BASE CASE'
10G	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21103	476.3	130.8824	'BASE CASE'
10G	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	476.3	130.8824	'BASE CASE'
10G	G08_103	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	130.8302	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.74464	182.4	130.7347	'BASE CASE'
10G	G08_084S0	'NORTHWEST INTERCHANGE 115/69KV TRANSFORMER CKT 1'	FROM->TO	0.58399	96.9	130.547	'NORTHWEST TAP - SONCY SUB 69KV CKT 1'
10G	G08_103	'BUFFALO - WEST 69KV CKT 1'	FROM->TO	0.19564	64.8	130.3889	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	130.1732	'BUFFALO - WEST 69KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.92816	227.5	130.1275	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_093	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.39538	496.9	130.0009	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	129.6897	'FREEDOM - WEST 69KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.42265	616.7	129.2064	'TOLK STATION EAST 230/24.0KV TRANSFORMER CKT 1'
10G	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.43124	616.7	129.2064	'TOLK STATION EAST 230/24.0KV TRANSFORMER CKT 1'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.4726	616.7	129.2064	'TOLK STATION EAST 230/24.0KV TRANSFORMER CKT 1'
10G	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.25043	616.7	129.2064	'TOLK STATION EAST 230/24.0KV TRANSFORMER CKT 1'
10G	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.25404	616.7	129.2064	'TOLK STATION EAST 230/24.0KV TRANSFORMER CKT 1'
10G	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.42265	616.7	129.2064	'TOLK STATION EAST 230/24.0KV TRANSFORMER CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	129.1327	'BUFFALO - WEST 69KV CKT 1'
10G	G08_042	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.49218	956	128.9628	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_043	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.49218	956	128.9628	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_091	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.33263	956	128.9628	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_106	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.74689	956	128.9628	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_107	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.74689	956	128.9628	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_114	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.74689	956	128.9628	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_126	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.49218	956	128.9628	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_134	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.74689	956	128.9628	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_067	'CANYON WEST SUB - DAWN SUB 115KV CKT 1'	TO->FROM	0.24309	95.1	128.629	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_084	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.35565	350.2	128.4395	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	128.3611	'FREEDOM - WEST 69KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.92816	227.5	128.3253	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'
10G	G08_103	'BUFFALO - WEST 69KV CKT 1'	FROM->TO	0.19564	64.8	128.2284	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.44166	350.2	128.1144	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_084S0	'NORTH AMARILLO SWITCHING STATION - NORTHWEST INTERCHANGE 69KV CKT 1'	TO->FROM	0.32338	59	128.0168	'NORTHWEST INTERCHANGE 115/69KV TRANSFORMER CKT 1'
10G	G08_103	'FREEDOM - WEST 69KV CKT 1'	TO->FROM	0.19564	64.8	127.9197	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24815	350.3	127.8075	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_069	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20754	350.3	127.8075	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_072	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20966	350.3	127.8075	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_093	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20994	350.3	127.8075	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_101	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19367	350.3	127.8075	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_102	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20996	350.3	127.8075	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.34298	350.3	127.8075	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G09_038	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19408	350.3	127.8075	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G09_039	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20754	350.3	127.8075	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_067	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'	TO->FROM	0.24309	98.2	127.7252	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_042	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.39747	956	127.6448	'G07-25T 345.00 - G08-91T 345.00 345KV CKT 1'
10G	G08_043	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.39747	956	127.6448	'G07-25T 345.00 - G08-91T 345.00 345KV CKT 1'
10G	G08_091	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.39747	956	127.6448	'G07-25T 345.00 - G08-91T 345.00 345KV CKT 1'
10G	G08_106	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.71918	956	127.6448	'G07-25T 345.00 - G08-91T 345.00 345KV CKT 1'
10G	G08_107	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.71918	956	127.6448	'G07-25T 345.00 - G08-91T 345.00 345KV CKT 1'
10G	G08_113	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.26863	956	127.6448	'G07-25T 345.00 - G08-91T 345.00 345KV CKT 1'
10G	G08_114	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.71918	956	127.6448	'G07-25T 345.00 - G08-91T 345.00 345KV CKT 1'
10G	G08_126	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.39747	956	127.6448	'G07-25T 345.00 - G08-91T 345.00 345KV CKT 1'
10G	G08_134	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.71918	956	127.6448	'G07-25T 345.00 - G08-91T 345.00 345KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	127.316	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.51849	350.2	127.2756	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_103	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.22331	69.7	127.1062	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_103	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.22331	69.7	127.1062	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_103	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.22331	69.8	126.924	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_103	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.22331	69.8	126.924	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.79302	227.5	126.7719	'WOODWARD - WOODWARD 69KV CKT 1'
10G	G08_042	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.34647	956	126.6927	'G08-105T 345.00 - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_043	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.34647	956	126.6927	'G08-105T 345.00 - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_091	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.24931	956	126.6927	'G08-105T 345.00 - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_106	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.65455	956	126.6927	'G08-105T 345.00 - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_107	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.65455	956	126.6927	'G08-105T 345.00 - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_113	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.2655	956	126.6927	'G08-105T 345.00 - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_114	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.65455	956	126.6927	'G08-105T 345.00 - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_126	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.34647	956	126.6927	'G08-105T 345.00 - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_134	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.65455	956	126.6927	'G08-105T 345.00 - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_042	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.34647	956	126.6822	'NORTHWEST - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_043	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.34647	956	126.6822	'NORTHWEST - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_091	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.24931	956	126.6822	'NORTHWEST - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_106	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.65455	956	126.6822	'NORTHWEST - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_107	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.65455	956	126.6822	'NORTHWEST - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_113	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.2655	956	126.6822	'NORTHWEST - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_114	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.65455	956	126.6822	'NORTHWEST - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_126	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.34647	956	126.6822	'NORTHWEST - SPRNGCK7 345.00 345KV CKT 1'
10G	G08_134	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.65455	956	126.6822	'NORTHWEST - SPRNGCK7 345.00 345KV CKT 1'

Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77787	227.5	126.6202	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_072	'LAMB COUNTY INTERCHANGE - TOLK STATION WEST 230KV CKT 1'	FROM->TO	1	236.9	126.5935	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.42265	477.7	126.4761	'BASE CASE'
10G	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.43124	477.7	126.4761	'BASE CASE'
10G	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.4726	477.7	126.4761	'BASE CASE'
10G	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.25043	477.7	126.4761	'BASE CASE'
10G	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.25404	477.7	126.4761	'BASE CASE'
10G	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.42265	477.7	126.4761	'BASE CASE'
10G	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.56343	349.1	126.3618	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.774	227.5	126.3297	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_103	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.774	227.5	126.3297	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_072	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	1	237.5	126.2737	'LAMB COUNTY INTERCHANGE - TOLK STATION WEST 230KV CKT 1'
10G	G08_084S0	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'	TO->FROM	0.64174	96.9	126.0829	'LAWRENCE PARK SUB1 (EAST) - SOUTH GEORGIA INTERCHANGE 69KV CKT 1'
10G	G08_077S0	'BRANTLEY - DURHAM 138KV CKT 1'	TO->FROM	1	130	125.9874	'FALCON ROAD - SAYRE 138KV CKT 1'
10G	G08_084S0	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'	TO->FROM	0.64174	96.9	125.9797	'SOUTH GEORGIA INTERCHANGE 115/69KV TRANSFORMER CKT 1'
10G	G08_103	'FREEDOM - WEST 69KV CKT 1'	TO->FROM	0.19564	64.8	125.7592	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.23952	64.8	125.0864	'FPL SWITCH - WOODWARD 138KV CKT 1'
10G	G08_069	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.23681	350.9	124.9482	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_072	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.23595	350.9	124.9482	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_093	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.24242	350.9	124.9482	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_101	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.21318	350.9	124.9482	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_102	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.21897	350.9	124.9482	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_120	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	-0.22504	350.9	124.9482	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G09_038	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.21363	350.9	124.9482	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G09_039	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.23681	350.9	124.9482	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_101	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.21704	344.5	124.9074	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G09_038	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.21786	344.5	124.9074	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_042	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.36834	956	124.6646	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'
10G	G08_043	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.36834	956	124.6646	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'
10G	G08_091	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.25747	956	124.6646	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'
10G	G08_106	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.69149	956	124.6646	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'
10G	G08_107	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.69149	956	124.6646	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'
10G	G08_113	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.24272	956	124.6646	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'
10G	G08_114	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.69149	956	124.6646	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'
10G	G08_126	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.36834	956	124.6646	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'
10G	G08_134	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.69149	956	124.6646	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'
10G	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.28455	496.9	124.5276	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_072	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.25054	496.9	124.5276	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.30671	496.9	124.5276	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.27496	496.9	124.5276	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.28455	496.9	124.5276	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	124.5031	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_084S0	'NORTH AMARILLO SWITCHING STATION - NORTHWEST INTERCHANGE 69KV CKT 1'	TO->FROM	0.27592	59	124.0612	'LAWRENCE PARK SUB 2 (WEST) - SONCY SUB 69KV CKT 1'
10G	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.55395	496.9	123.9935	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'
10G	G08_084S0	'LAWRENCE PARK SUB 2 (WEST) - SONCY SUB 69KV CKT 1'	TO->FROM	0.35472	65.6	123.8034	'HASTINGS SUB - VAN BUREN SUB 1 TAP 69KV CKT 1'
10G	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24888	350.3	123.742	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_069	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21123	350.3	123.742	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_072	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21447	350.3	123.742	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_093	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21618	350.3	123.742	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_102	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21409	350.3	123.742	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.34372	350.3	123.742	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G09_039	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21123	350.3	123.742	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_042	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.34647	956	123.7051	'G08-105T 345.00 - SOONER 345KV CKT 1'
10G	G08_043	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.34647	956	123.7051	'G08-105T 345.00 - SOONER 345KV CKT 1'
10G	G08_091	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.24931	956	123.7051	'G08-105T 345.00 - SOONER 345KV CKT 1'
10G	G08_106	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.65455	956	123.7051	'G08-105T 345.00 - SOONER 345KV CKT 1'
10G	G08_107	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.65455	956	123.7051	'G08-105T 345.00 - SOONER 345KV CKT 1'
10G	G08_113	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.2655	956	123.7051	'G08-105T 345.00 - SOONER 345KV CKT 1'
10G	G08_114	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.65455	956	123.7051	'G08-105T 345.00 - SOONER 345KV CKT 1'
10G	G08_126	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.34647	956	123.7051	'G08-105T 345.00 - SOONER 345KV CKT 1'
10G	G08_134	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.65455	956	123.7051	'G08-105T 345.00 - SOONER 345KV CKT 1'
10G	G08_104	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.2077	358.7	123.6941	'G08-106T 345.00 - WOODRING 345KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.21926	64.8	123.5772	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_104	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.2077	359.5	123.5579	'G08-106T 345.00 - WOODRING 345KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21944	64.8	123.5062	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'



Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_090	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.43557	1051.6	123.0398	'G08-82T 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G08_109	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.37223	1051.6	123.0398	'G08-82T 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G08_120	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.24246	1051.6	123.0398	'G08-82T 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G09_023S	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.28328	1051.6	123.0398	'G08-82T 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G09_024S	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.28328	1051.6	123.0398	'G08-82T 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G09_033	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.38494	1051.6	123.0398	'G08-82T 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G09_041	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.36664	1051.6	123.0398	'G08-82T 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G09_044S	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.19946	1051.6	123.0398	'G08-82T 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G08_042	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.3472	956	122.4607	'CLEVELAND - SOONER 345KV CKT 1'
10G	G08_043	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.3472	956	122.4607	'CLEVELAND - SOONER 345KV CKT 1'
10G	G08_091	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.24636	956	122.4607	'CLEVELAND - SOONER 345KV CKT 1'
10G	G08_106	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.6889	956	122.4607	'CLEVELAND - SOONER 345KV CKT 1'
10G	G08_107	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.6889	956	122.4607	'CLEVELAND - SOONER 345KV CKT 1'
10G	G08_113	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.24891	956	122.4607	'CLEVELAND - SOONER 345KV CKT 1'
10G	G08_114	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.6889	956	122.4607	'CLEVELAND - SOONER 345KV CKT 1'
10G	G08_126	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.3472	956	122.4607	'CLEVELAND - SOONER 345KV CKT 1'
10G	G08_134	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.6889	956	122.4607	'CLEVELAND - SOONER 345KV CKT 1'
10G	G08_084S0	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'	TO->FROM	0.58861	96.9	122.4162	'SONCY SUB - WATERFIELD TAP 69KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.21926	64.8	122.034	'BUFFALO - WEST 69KV CKT 1'
10G	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.69702	555.5	121.9259	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.79549	555.5	121.9259	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
10G	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25044	555.5	121.9259	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
10G	G08_102	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.45663	555.5	121.9259	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
10G	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.26691	555.5	121.9259	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
10G	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.69702	555.5	121.9259	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
10G	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.69702	555.5	121.908	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.79549	555.5	121.908	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
10G	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25044	555.5	121.908	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
10G	G08_102	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.45663	555.5	121.908	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
10G	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.26691	555.5	121.908	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
10G	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.69702	555.5	121.908	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
10G	G08_067	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.29598	349.1	121.9037	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_069	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.22375	349.1	121.9037	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_072	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.22748	349.1	121.9037	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_093	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.2273	349.1	121.9037	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_101	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20306	349.1	121.9037	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_102	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.22791	349.1	121.9037	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_120	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.4183	349.1	121.9037	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_038	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20368	349.1	121.9037	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_039	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.22375	349.1	121.9037	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.53528	316.9	121.7053	'BASE CASE'
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.20427	52.8	121.5294	'BASE CASE'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26296	346.2	121.4772	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.21926	64.8	121.2623	'FREEDOM - WEST 69KV CKT 1'
10G	G08_077S0	'ELK CITY - FALCON ROAD 138KV CKT 1'	TO->FROM	0.47139	187.9	121.2181	'MOORELAND - MOREWOOD SW 138KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.20781	64.8	121.2083	'CLEO CORNER - MEN TAP 138KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.20781	64.8	121.054	'IMO TAP - MEN TAP 138KV CKT 1'
10G	G08_120	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.2317	350.6	120.9678	'TOLK STATION EAST 230/24.0KV TRANSFORMER CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.54399	349.1	120.3944	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_109	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'	TO->FROM	0.69629	250.2	120.2012	'MOORE COUNTY INTERCHANGE E. - SHERMAN COUNTY TAP 115KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.28189	346.2	119.9284	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.28189	346.2	119.9284	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	119.8857	'BUFFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_069	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.27362	496.9	119.7751	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_072	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.23635	496.9	119.7751	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_093	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.29512	496.9	119.7751	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_102	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.26448	496.9	119.7751	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G09_039	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.27362	496.9	119.7751	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_109	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'	TO->FROM	0.69667	250.2	119.6645	'DWS_FRISCO 3115.00 - SHERMAN COUNTY TAP 115KV CKT 1'
10G	G08_120	'G06-39T 230.00 - G06-47 230.00 230KV CKT 1'	TO->FROM	0.99329	358.2	119.6528	'BASE CASE'
10G	G08_084S0	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'	TO->FROM	0.58861	96.9	119.5267	'COULTER INTERCHANGE - WATERFIELD TAP 69KV CKT 1'
10G	G08_084S0	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'	TO->FROM	0.58861	96.9	119.5267	'COULTER INTERCHANGE 115/69KV TRANSFORMER CKT 1'
10G	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.40382	616.7	119.4788	'G05-10T 230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 2'
10G	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.44922	616.7	119.4788	'G05-10T 230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 2'
10G	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.46979	616.7	119.4788	'G05-10T 230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 2'





## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_101	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.22788	555.5	117.6146	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_038	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.24068	555.5	117.6146	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_038	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.24068	555.5	117.6146	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.66517	555.5	117.6146	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.66517	555.5	117.6146	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.50312	350.8	117.6014	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25389	346.2	117.4443	'PLANT X STATION 230/115KV TRANSFORMER CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.21926	64.8	117.4043	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_077S0	'ELK CITY - FALCON ROAD 138KV CKT 1'	TO->FROM	0.53579	187.9	117.4028	'ELK CITY - RHWIN4 138.00 138KV CKT 1'
10G	G08_067	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.25863	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_069	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21163	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_072	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21413	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_082	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	-0.20105	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_084S0	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.29408	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_090	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	-0.20105	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_093	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21298	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_101	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2034	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_102	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21411	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_109	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.54882	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_120	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2761	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_023S	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.36221	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_024S	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.36221	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_033	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.57652	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_038	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.20365	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_039	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21163	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_041	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.53268	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_044S	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23285	557	117.3867	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.54573	349.1	117.3644	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.54567	349.1	117.3306	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_109	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'	TO->FROM	0.75693	250.2	117.3219	'HANSFORD 3 115.00 - SPEARMAN INTERCHANGE 115KV CKT 1'
10G	G08_067	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.25863	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_069	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21163	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_072	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21413	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_082	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	-0.20105	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_084S0	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.29408	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_090	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	-0.20105	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_093	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21298	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_101	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2034	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_102	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21411	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_109	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.54882	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_120	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2761	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_023S	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.36221	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_024S	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.36221	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_033	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.57652	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_038	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.20365	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_039	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21163	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_041	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.53268	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_044S	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23285	557.6	117.2784	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_084S0	'LAWRENCE PARK SUB 2 (WEST) - SONCY SUB 69KV CKT 1'	TO->FROM	0.35472	65.6	117.2485	'EAST PLANT INTERCHANGE - VAN BUREN SUB 1 TAP 69KV CKT 1'
10G	G08_084S0	'NORTH AMARILLO SWITCHING STATION - NORTHWEST INTERCHANGE 69KV CKT 1'	TO->FROM	0.27592	59	117.112	'LAWRENCE PARK SUB 2 (WEST) - LAWRENCE PARK SUB1 (EAST) 69KV CKT 1'
10G	G08_084S0	'LAWRENCE PARK SUB 2 (WEST) - SONCY SUB 69KV CKT 1'	TO->FROM	0.3046	65.6	117.0877	'34TH STREET SUB - COULTER INTERCHANGE 115KV CKT 1'
10G	G08_042	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.3163	956	116.8275	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'
10G	G08_043	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.3163	956	116.8275	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'
10G	G08_091	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.22458	956	116.8275	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'
10G	G08_106	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.66353	956	116.8275	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'
10G	G08_107	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.66353	956	116.8275	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'
10G	G08_113	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.20869	956	116.8275	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'
10G	G08_114	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.66353	956	116.8275	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'
10G	G08_126	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.3163	956	116.8275	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'
10G	G08_134	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.66353	956	116.8275	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'
10G	G08_109	'MOORE COUNTY INTERCHANGE E. - SHERMAN COUNTY TAP 115KV CKT 1'	TO->FROM	0.29155	117.3	116.7252	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'
10G	G08_069	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	555.5	116.4884	'EDDY COUNTY INTERCHANGE - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G08_093	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.77279	555.5	116.4884	'EDDY COUNTY INTERCHANGE - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G08_101	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.19771	555.5	116.4884	'EDDY COUNTY INTERCHANGE - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G09_038	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21103	555.5	116.4884	'EDDY COUNTY INTERCHANGE - NAVAJO NO.4 SUB 115KV CKT 1'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G09_039	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	555.5	116.4884	'EDDY COUNTY INTERCHANGE - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G08_069	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	555.5	116.4704	'EDDY COUNTY INTERCHANGE - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G08_093	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.77279	555.5	116.4704	'EDDY COUNTY INTERCHANGE - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G08_101	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.19771	555.5	116.4704	'EDDY COUNTY INTERCHANGE - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G09_038	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21103	555.5	116.4704	'EDDY COUNTY INTERCHANGE - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G09_039	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	555.5	116.4704	'EDDY COUNTY INTERCHANGE - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.21944	64.8	116.2531	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_067	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.29598	349.1	116.2294	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_109	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'	TO->FROM	0.69702	250.2	116.0084	'DWS_FRISCO 3115.00 - G07-46T 115.00 115KV CKT 1'
10G	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	555.5	115.9123	'NAVAJO NO.3 SUB - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.77279	555.5	115.9123	'NAVAJO NO.3 SUB - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.19771	555.5	115.9123	'NAVAJO NO.3 SUB - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21103	555.5	115.9123	'NAVAJO NO.3 SUB - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	555.5	115.9123	'NAVAJO NO.3 SUB - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G08_104	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.21951	358.7	115.9013	'G07-25T 345.00 - WICHITA 345KV CKT 1'
10G	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	555.5	115.8943	'NAVAJO NO.3 SUB - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.77279	555.5	115.8943	'NAVAJO NO.3 SUB - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.19771	555.5	115.8943	'NAVAJO NO.3 SUB - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21103	555.5	115.8943	'NAVAJO NO.3 SUB - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	555.5	115.8943	'NAVAJO NO.3 SUB - NAVAJO NO.4 SUB 115KV CKT 1'
10G	G08_121	'G05-15T 345.00 - G08-14 345.00 345KV CKT 1'	TO->FROM	0.99579	198.1	115.8817	'BASE CASE'
10G	G08_104	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.21951	359.5	115.7825	'G07-25T 345.00 - WICHITA 345KV CKT 1'
10G	G08_042	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.19822	358.7	115.7767	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_043	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.19822	358.7	115.7767	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_104	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.23372	358.7	115.7767	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_113	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.19822	358.7	115.7767	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_126	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.19822	358.7	115.7767	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_08450	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'	TO->FROM	0.4813	87.9	115.7343	'BASE CASE'
10G	G08_042	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.19822	359.5	115.6859	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_043	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.19822	359.5	115.6859	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_104	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.23372	359.5	115.6859	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_113	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.19822	359.5	115.6859	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_126	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.19822	359.5	115.6859	'G08-113T 345.00 - SOONER 345KV CKT 1'
10G	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.66517	555.5	115.6524	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.78126	555.5	115.6524	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.22788	555.5	115.6524	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.24068	555.5	115.6524	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.66517	555.5	115.6524	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.66517	555.5	115.6344	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.78126	555.5	115.6344	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.22788	555.5	115.6344	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.24068	555.5	115.6344	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.66517	555.5	115.6344	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_069	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.19983	350.9	115.4493	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_072	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.19826	350.9	115.4493	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_093	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.2036	350.9	115.4493	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G09_039	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.19983	350.9	115.4493	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	115.4437	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	115.4257	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
10G	G08_093	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.4	115.3925	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_093	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.4	115.3745	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	555.5	115.3722	'ARTESIA INTERCHANGE - NAVAJO NO.3 SUB 115KV CKT 1'
10G	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	555.5	115.3722	'ARTESIA INTERCHANGE - NAVAJO NO.3 SUB 115KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.77279	555.5	115.3722	'ARTESIA INTERCHANGE - NAVAJO NO.3 SUB 115KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.77279	555.5	115.3722	'ARTESIA INTERCHANGE - NAVAJO NO.3 SUB 115KV CKT 1'
10G	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.19771	555.5	115.3722	'ARTESIA INTERCHANGE - NAVAJO NO.3 SUB 115KV CKT 1'
10G	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.19771	555.5	115.3722	'ARTESIA INTERCHANGE - NAVAJO NO.3 SUB 115KV CKT 1'
10G	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21103	555.5	115.3722	'ARTESIA INTERCHANGE - NAVAJO NO.3 SUB 115KV CKT 1'
10G	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21103	555.5	115.3722	'ARTESIA INTERCHANGE - NAVAJO NO.3 SUB 115KV CKT 1'
10G	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	555.5	115.3722	'ARTESIA INTERCHANGE - NAVAJO NO.3 SUB 115KV CKT 1'
10G	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65335	555.5	115.3722	'ARTESIA INTERCHANGE - NAVAJO NO.3 SUB 115KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	115.3537	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	115.3537	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	115.3537	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
10G	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.5	115.3537	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'

Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_093	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.7	115.2942	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_093	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.99579	555.7	115.2942	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_086	'BUFFALO - WEST 69KV CKT 1'	FROM->TO	0.19564	64.8	115.2932	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_084S0	'HASTINGS SUB - NORTH AMARILLO SWITCHING STATION 69KV CKT 1'	TO->FROM	0.32338	59	115.1354	'NORTHWEST INTERCHANGE 115/69KV TRANSFORMER CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26492	346.2	114.9864	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.35561	350.2	114.9608	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_069	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.27186	350.2	114.9608	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_072	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.2763	350.2	114.9608	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_093	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.27631	350.2	114.9608	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_101	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24602	350.2	114.9608	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_102	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.27675	350.2	114.9608	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.51849	350.2	114.9608	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G09_038	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24679	350.2	114.9608	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G09_039	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.27186	350.2	114.9608	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26231	346.2	114.9373	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77748	178.5	114.8997	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25799	346.2	114.7732	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25241	346.2	114.2447	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20781	64.8	114.1096	'CLEO CORNER - MEN TAP 138KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	114.0967	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.77787	178.5	113.991	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_069	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.20709	350.9	113.9612	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_072	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.20661	350.9	113.9612	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_093	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.21345	350.9	113.9612	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_102	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.19263	350.9	113.9612	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G09_039	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.20709	350.9	113.9612	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_103	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20781	64.8	113.9552	'IMO TAP - MEN TAP 138KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	113.912	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.774	178.5	113.8375	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.774	178.5	113.8375	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.21518	350.5	113.2828	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	-0.33148	350.5	113.2828	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.30604	350.5	113.2828	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22845	346	113.282	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23116	346	113.282	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24156	346	113.282	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22713	346	113.282	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22845	346	113.282	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_086	'BUFFALO - WEST 69KV CKT 1'	FROM->TO	0.19564	64.8	113.1327	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	113.0857	'BUFFALO - WEST 69KV CKT 1'
10G	G08_077S0	'BRANTLEY - DURHAM 138KV CKT 1'	TO->FROM	0.58303	106	113.0706	'BASE CASE'
10G	G08_084S0	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'	TO->FROM	0.46339	96.9	113.051	'COULTER INTERCHANGE - PUCKETT SUB 115KV CKT 1'
10G	G08_086	'FREEDOM - WEST 69KV CKT 1'	TO->FROM	0.19564	64.8	112.8241	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.20427	52.8	112.8172	'BASE CASE'
10G	G08_077S0	'ELK CITY - FALCON ROAD 138KV CKT 1'	TO->FROM	0.53613	187.9	112.7426	'MOREWOOD SW - RHWIND4 138.00 138KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.43637	616.7	112.6724	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.56443	616.7	112.6724	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.48899	616.7	112.6724	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.24932	616.7	112.6724	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.25397	616.7	112.6724	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.43637	616.7	112.6724	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_077S0	'ELK CITY - FALCON ROAD 138KV CKT 1'	TO->FROM	0.41697	187.9	112.6485	'BECKHAM CO 230.00 - BECKHAM EHV 230.00 230KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	112.6022	'FREEDOM - WEST 69KV CKT 1'
10G	G08_077S0	'ELK CITY - FALCON ROAD 138KV CKT 1'	TO->FROM	0.41733	187.9	112.5647	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'
10G	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.22586	350.3	112.4478	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.32472	350.3	112.4478	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_084S0	'LAWRENCE PARK SUB 2 (WEST) - LAWRENCE PARK SUB1 (EAST) 69KV CKT 1'	FROM->TO	0.56533	99.9	112.2733	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	112.2145	'BUFFALO - WEST 69KV CKT 1'
10G	G08_042	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.32369	956	112.1273	'BASE CASE'
10G	G08_043	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.32369	956	112.1273	'BASE CASE'
10G	G08_091	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.22812	956	112.1273	'BASE CASE'
10G	G08_106	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.67453	956	112.1273	'BASE CASE'
10G	G08_107	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.67453	956	112.1273	'BASE CASE'
10G	G08_113	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.21658	956	112.1273	'BASE CASE'
10G	G08_114	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.67453	956	112.1273	'BASE CASE'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_126	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.32369	956	112.1273	'BASE CASE'
10G	G08_134	'CIMARRON - G08-106T 345.00 345KV CKT 1'	TO->FROM	0.67453	956	112.1273	'BASE CASE'
10G	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.30924	350.2	112.1012	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_115	'IODINE - MOORELAND 138KV CKT 1'	FROM->TO	0.70839	178.5	111.9765	'FPL SWITCH - MOORELAND 138KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26881	346	111.4703	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27031	346	111.4703	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.28037	346	111.4703	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_101	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.20768	346	111.4703	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26634	346	111.4703	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G09_038	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.20873	346	111.4703	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26881	346	111.4703	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_077S0	'ELK CITY - FALCON ROAD 138KV CKT 1'	TO->FROM	0.40052	187.9	111.4442	'BECKHAM CO 230.00 - ELK CITY 230KV 230KV CKT 1'
10G	G08_077S0	'ELK CITY - FALCON ROAD 138KV CKT 1'	TO->FROM	0.40052	187.9	111.4442	'ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	111.4429	'FREEDOM - WEST 69KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26881	346	111.4125	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27031	346	111.4125	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.28037	346	111.4125	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G08_101	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.20768	346	111.4125	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26634	346	111.4125	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G09_038	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.20873	346	111.4125	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26881	346	111.4125	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G08_120	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.2317	350.6	111.2942	'GS-MUSTANG6 230.00 - MUSTANG STATION 230KV CKT 1'
10G	G08_109	'HANSFORD 3 115.00 - SPEARMAN INTERCHANGE 115KV CKT 1'	FROM->TO	0.50822	175	111.2189	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'
10G	G08_084S0	'HASTINGS SUB - NORTH AMARILLO SWITCHING STATION 69KV CKT 1'	TO->FROM	0.27592	59	111.1798	'LAWRENCE PARK SUB 2 (WEST) - SONCY SUB 69KV CKT 1'
10G	G08_086	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.22331	69.7	111.0868	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_086	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.22331	69.7	111.0868	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.22586	318.2	111.0322	'BASE CASE'
10G	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.32472	318.2	111.0322	'BASE CASE'
10G	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.67205	616.7	110.9496	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_067	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.26011	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_069	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21311	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_072	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21562	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_082	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	-0.19957	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_084S0	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.29556	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_090	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	-0.19957	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_093	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21446	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_101	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.20489	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_102	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21559	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_109	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.5503	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_120	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.27758	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G09_023S	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.36369	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G09_024S	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.36369	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G09_033	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.578	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G09_038	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.20513	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G09_039	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21311	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G09_041	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.53417	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G09_044S	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23434	557	110.9428	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_086	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'	FROM->TO	0.22331	69.8	110.9276	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_086	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.22331	69.8	110.9276	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.36702	496.9	110.9221	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
10G	G08_067	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.26011	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_069	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21311	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_072	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21562	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_082	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	-0.19957	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_084S0	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.29556	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_090	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	-0.19957	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_093	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21446	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_101	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.20489	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_102	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21559	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_109	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.5503	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_120	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.27758	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G09_023S	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.36369	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G09_024S	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.36369	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G09_033	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.578	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G09_038	'HITCHLAND 7 345.00 ((HITCLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.20513	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G09_039	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21311	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G09_041	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.53417	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G09_044S	'HITCHLAND 7 345.00 ((HITCHLND)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23434	557.6	110.8414	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
10G	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.21687	350.5	110.8275	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	-0.3315	350.5	110.8275	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_093	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.19018	350.5	110.8275	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.30755	350.5	110.8275	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_103	'CRTSUCT2 69.000 - MOORELAND 69KV CKT 1'	FROM->TO	0.21003	65	110.7831	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_103	'MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.21003	65	110.7831	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_103	'MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.21003	65	110.7831	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_121	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	0.22487	715	110.7666	'CIMARRON - G07-43T 345.00 345KV CKT 1'
10G	G08_130	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	0.22487	715	110.7666	'CIMARRON - G07-43T 345.00 345KV CKT 1'
10G	G09_034	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	0.26745	715	110.7666	'CIMARRON - G07-43T 345.00 345KV CKT 1'
10G	G09_035	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	0.26745	715	110.7666	'CIMARRON - G07-43T 345.00 345KV CKT 1'
10G	G09_036	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	-0.32808	715	110.7666	'CIMARRON - G07-43T 345.00 345KV CKT 1'
10G	G09_037	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	-0.32808	715	110.7666	'CIMARRON - G07-43T 345.00 345KV CKT 1'
10G	G08_093	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.19095	350.9	110.6698	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
10G	G08_086	'FREEDOM - WEST 69KV CKT 1'	TO->FROM	0.19564	64.8	110.6636	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.38623	350.2	110.5965	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_042	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.19822	358.7	110.5196	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_043	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.19822	358.7	110.5196	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_104	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.23372	358.7	110.5196	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_126	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.19822	358.7	110.5196	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_067	'CANYON EAST SUB - CANYON WEST SUB 115KV CKT 1'	TO->FROM	0.24309	94.7	110.4817	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_042	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.19822	359.5	110.4127	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_043	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.19822	359.5	110.4127	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_104	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.23372	359.5	110.4127	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_126	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.19822	359.5	110.4127	'G08-113T 345.00 - WOODRING 345KV CKT 1'
10G	G08_084S0	'NORTH AMARILLO SWITCHING STATION - NORTHWEST INTERCHANGE 69KV CKT 1'	TO->FROM	0.27592	59	110.3324	'LAWRENCE PARK SUB1 (EAST) - SOUTH GEORGIA INTERCHANGE 69KV CKT 1'
10G	G08_084S0	'NORTH AMARILLO SWITCHING STATION - NORTHWEST INTERCHANGE 69KV CKT 1'	TO->FROM	0.27592	59	110.3324	'SOUTH GEORGIA INTERCHANGE 115/69KV TRANSFORMER CKT 1'
10G	G08_115	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.74464	182.4	110.3224	'BASE CASE'
10G	G08_109	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'	TO->FROM	0.63838	250.2	110.2946	'PRINGLE INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77748	227.5	110.2286	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_069	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.36395	496.9	110.0538	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.28051	350.3	109.8028	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
10G	G08_102	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19125	350.3	109.8028	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
10G	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.3362	350.3	109.8028	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
10G	G08_115	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.92816	227.5	109.7283	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_082	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'	TO->FROM	0.24602	1194.8	109.6108	'COMANCH5 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G08_086	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'	TO->FROM	0.20365	1194.8	109.6108	'COMANCH5 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G08_090	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'	TO->FROM	0.24602	1194.8	109.6108	'COMANCH5 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G08_103	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'	TO->FROM	0.20365	1194.8	109.6108	'COMANCH5 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G08_112	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'	TO->FROM	0.33663	1194.8	109.6108	'COMANCH5 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G08_115	'NORTHWEST - TATONGA EHV 345.00 345KV CKT 1'	TO->FROM	0.20365	1194.8	109.6108	'COMANCH5 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.77787	227.5	109.5242	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.79302	227.5	109.3429	'WOODWARD - WOODWARD 69KV CKT 1'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.774	227.5	109.3187	'FT SUPPLY (FTSUPPLY2) 138/69/13.8KV TRANSFORMER CKT 2'
10G	G08_086	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.774	227.5	109.3187	'FT SUPPLY (FTSUPPLY) 138/69/13.8KV TRANSFORMER CKT 1'
10G	G08_067	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.43952	349.6	109.2864	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_069	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.27969	349.6	109.2864	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_072	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.28485	349.6	109.2864	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_084	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	-0.22475	349.6	109.2864	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_093	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.28385	349.6	109.2864	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_101	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.2541	349.6	109.2864	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_102	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.28805	349.6	109.2864	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_120	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	-0.3286	349.6	109.2864	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G09_038	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.2549	349.6	109.2864	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G09_039	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.27969	349.6	109.2864	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.28051	350.3	109.0606	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'
10G	G08_102	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19125	350.3	109.0606	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'
10G	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.3362	350.3	109.0606	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'
10G	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.21004	350.5	108.7832	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	-0.33179	350.5	108.7832	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
10G	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.30303	350.5	108.7832	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
10G	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.28051	350.3	108.7466	'CANYON WEST SUB - DAWN SUB 115KV CKT 1'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_102	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19125	350.3	108.7466	'CANYON WEST SUB - DAWN SUB 115KV CKT 1'
10G	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.3362	350.3	108.7466	'CANYON WEST SUB - DAWN SUB 115KV CKT 1'
10G	G08_109	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'	TO->FROM	0.65509	250.2	108.4986	'TEXAS COUNTY INTERCHANGE - TRI COUNTY REC-GUYMON 115KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23434	346	108.3531	'PLANT X STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24254	346	108.3531	'PLANT X STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25227	346	108.3531	'PLANT X STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23451	346	108.3531	'PLANT X STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23434	346	108.3531	'PLANT X STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.35561	350.2	108.1375	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_084S0	'NORTHWEST INTERCHANGE - NORTHWEST TAP 69KV CKT 1'	TO->FROM	0.46339	96.9	108.0975	'PUCKETT SUB - SUNSET SUB 115KV CKT 1'
10G	G08_103	'CRTSJCT2 69.000 - MOORELAND 69KV CKT 1'	FROM->TO	0.21003	65	108.0138	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_103	'MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.21003	65	108.0138	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_103	'MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1'	FROM->TO	0.21003	65	108.0138	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_115	'FT SUPPLY - IODINE 138KV CKT 1'	FROM->TO	0.92816	227.5	107.9262	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23556	346	107.8538	'G08-82T 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23839	346	107.8538	'G08-82T 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24875	346	107.8538	'G08-82T 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23436	346	107.8538	'G08-82T 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23556	346	107.8538	'G08-82T 345.00 - WWRDEHV7 345.00 345KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.44319	616.7	107.7699	'ROSEVELT_S 6230.00 - SW_4K33 6 230.00 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.41133	616.7	107.7699	'ROSEVELT_S 6230.00 - SW_4K33 6 230.00 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.47504	616.7	107.7699	'ROSEVELT_S 6230.00 - SW_4K33 6 230.00 230KV CKT 1'
10G	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28127	616.7	107.7699	'ROSEVELT_S 6230.00 - SW_4K33 6 230.00 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.41227	616.7	107.7699	'ROSEVELT_S 6230.00 - SW_4K33 6 230.00 230KV CKT 1'
10G	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28742	616.7	107.7699	'ROSEVELT_S 6230.00 - SW_4K33 6 230.00 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.44319	616.7	107.7699	'ROSEVELT_S 6230.00 - SW_4K33 6 230.00 230KV CKT 1'
10G	G08_120	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.30435	350.6	107.7694	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_072	'LAMB COUNTY INTERCHANGE - TOLK STATION WEST 230KV CKT 1'	FROM->TO	1	236.9	107.6936	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21926	64.8	107.5849	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_109	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'	TO->FROM	0.65509	250.2	107.5793	'TRI COUNTY REC-COLE - TRI COUNTY REC-GUYMON 115KV CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE - COULTER INTERCHANGE 115KV CKT 1'	FROM->TO	0.26161	159.8	107.5683	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22845	313.5	107.4818	'BASE CASE'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23116	313.5	107.4818	'BASE CASE'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24156	313.5	107.4818	'BASE CASE'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22713	313.5	107.4818	'BASE CASE'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22845	313.5	107.4818	'BASE CASE'
10G	G08_104	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.21821	358.7	107.4613	'G07-25T 345.00 - G08-91T 345.00 345KV CKT 1'
10G	G08_072	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	1	237.5	107.4216	'LAMB COUNTY INTERCHANGE - TOLK STATION WEST 230KV CKT 1'
10G	G08_120	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.31573	350.6	107.4043	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_104	'WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.21821	359.5	107.3612	'G07-25T 345.00 - G08-91T 345.00 345KV CKT 1'
10G	G08_072	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.30096	496.9	107.0815	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
10G	G08_077S0	'MOREWOOD SW - MORWOOD 138KV CKT 1'	TO->FROM	1	178.9	107.0339	'DURHAM - SWEETWATER 138KV CKT 1'
10G	G08_077S0	'BRANTLEY - MORWOOD 138KV CKT 1'	FROM->TO	1	179	106.9741	'DURHAM - SWEETWATER 138KV CKT 1'
10G	G08_121	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	0.22549	715	106.9675	'ANADARK7 345.00 - G07-43T 345.00 345KV CKT 1'
10G	G08_130	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	0.22549	715	106.9675	'ANADARK7 345.00 - G07-43T 345.00 345KV CKT 1'
10G	G09_036	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	-0.32746	715	106.9675	'ANADARK7 345.00 - G07-43T 345.00 345KV CKT 1'
10G	G09_037	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	-0.32746	715	106.9675	'ANADARK7 345.00 - G07-43T 345.00 345KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22003	346	106.933	'SWISHER COUNTY INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22446	346	106.933	'SWISHER COUNTY INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.2336	346	106.933	'SWISHER COUNTY INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.21949	346	106.933	'SWISHER COUNTY INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22003	346	106.933	'SWISHER COUNTY INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.44408	616.7	106.7827	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.43468	616.7	106.7827	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.48798	616.7	106.7827	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.30517	616.7	106.7827	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.30785	616.7	106.7827	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.44408	616.7	106.7827	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23214	346.2	106.7134	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.21926	64.8	106.659	'BUFBEAR2 69.000 - BUFFALO 69KV CKT 1'
10G	G08_084S0	'NORTH AMARILLO SWITCHING STATION - NORTHWEST INTERCHANGE 69KV CKT 1'	TO->FROM	0.24904	59	106.6065	'SONCY SUB - WATERFIELD TAP 69KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.23952	64.8	106.6049	'FPL SWITCH - WOODWARD 138KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.21944	64.8	106.5741	'BUFBEAR2 69.000 - FT SUPPLY 69KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.21841	346	106.5171	'G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22131	346	106.5171	'G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1'

Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23181	346	106.5171	'G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.21768	346	106.5171	'G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.21841	346	106.5171	'G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_072	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.26668	237.5	106.5123	'PLANT X STATION 230/115KV TRANSFORMER CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22943	346.2	106.3461	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24756	346	106.346	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25058	346	106.346	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.26099	346	106.346	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24658	346	106.346	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24756	346	106.346	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_072	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.29751	496.9	106.189	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
10G	G08_069	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.20726	350.7	106.1619	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
10G	G08_072	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.20704	350.7	106.1619	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
10G	G08_093	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.21195	350.7	106.1619	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
10G	G08_102	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.19418	350.7	106.1619	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
10G	G08_120	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	-0.20237	350.7	106.1619	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
10G	G09_039	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.20726	350.7	106.1619	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23556	346	106.015	'G08-82T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23839	346	106.015	'G08-82T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24875	346	106.015	'G08-82T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23436	346	106.015	'G08-82T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23556	346	106.015	'G08-82T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23333	346	105.9969	'GRAPEVINE INTERCHANGE - WHEELER 6 230.00 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23619	346	105.9969	'GRAPEVINE INTERCHANGE - WHEELER 6 230.00 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24653	346	105.9969	'GRAPEVINE INTERCHANGE - WHEELER 6 230.00 230KV CKT 1'
10G	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23216	346	105.9969	'GRAPEVINE INTERCHANGE - WHEELER 6 230.00 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23333	346	105.9969	'GRAPEVINE INTERCHANGE - WHEELER 6 230.00 230KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.4413	616.7	105.9596	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.44698	616.7	105.9596	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.48944	616.7	105.9596	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.27897	616.7	105.9596	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28261	616.7	105.9596	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.4413	616.7	105.9596	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_093	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.27961	350.3	105.6224	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.45223	616.7	105.5851	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.45994	616.7	105.5851	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.50106	616.7	105.5851	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28685	616.7	105.5851	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.2896	616.7	105.5851	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.45223	616.7	105.5851	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.34328	350.8	105.5574	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_069	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.26293	350.8	105.5574	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_072	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.26721	350.8	105.5574	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_093	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.26725	350.8	105.5574	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_101	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.23782	350.8	105.5574	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_102	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.26763	350.8	105.5574	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.50312	350.8	105.5574	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_038	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.23857	350.8	105.5574	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_039	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.26293	350.8	105.5574	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_042	'G08-113T 345.00 - SOONER 345KV CKT 1'	FROM->TO	0.52215	955.9	105.2331	'CIMARRON - G08-106T 345.00 345KV CKT 1'
10G	G08_043	'G08-113T 345.00 - SOONER 345KV CKT 1'	FROM->TO	0.52215	955.9	105.2331	'CIMARRON - G08-106T 345.00 345KV CKT 1'
10G	G08_091	'G08-113T 345.00 - SOONER 345KV CKT 1'	FROM->TO	0.33908	955.9	105.2331	'CIMARRON - G08-106T 345.00 345KV CKT 1'
10G	G08_106	'G08-113T 345.00 - SOONER 345KV CKT 1'	FROM->TO	0.52215	955.9	105.2331	'CIMARRON - G08-106T 345.00 345KV CKT 1'
10G	G08_107	'G08-113T 345.00 - SOONER 345KV CKT 1'	FROM->TO	0.52215	955.9	105.2331	'CIMARRON - G08-106T 345.00 345KV CKT 1'
10G	G08_113	'G08-113T 345.00 - SOONER 345KV CKT 1'	FROM->TO	0.68002	955.9	105.2331	'CIMARRON - G08-106T 345.00 345KV CKT 1'
10G	G08_114	'G08-113T 345.00 - SOONER 345KV CKT 1'	FROM->TO	0.52215	955.9	105.2331	'CIMARRON - G08-106T 345.00 345KV CKT 1'
10G	G08_126	'G08-113T 345.00 - SOONER 345KV CKT 1'	FROM->TO	0.52215	955.9	105.2331	'CIMARRON - G08-106T 345.00 345KV CKT 1'
10G	G08_134	'G08-113T 345.00 - SOONER 345KV CKT 1'	FROM->TO	0.52215	955.9	105.2331	'CIMARRON - G08-106T 345.00 345KV CKT 1'
10G	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.21659	496.9	105.2294	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_072	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.26954	496.9	105.2294	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.23624	496.9	105.2294	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.20739	496.9	105.2294	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.21659	496.9	105.2294	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.20781	64.8	105.1736	'CLEO CORNER - MEN TAP 138KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.21926	64.8	105.1157	'BUFFALO - WEST 69KV CKT 1'



## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_086	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.20781	64.8	105.0193	'IMO TAP - MEN TAP 138KV CKT 1'
10G	G08_084S0	'NORTH AMARILLO SWITCHING STATION - NORTHWEST INTERCHANGE 69KV CKT 1'	TO->FROM	0.24904	59	104.9116	'COULTER INTERCHANGE - WATERFIELD TAP 69KV CKT 1'
10G	G08_084S0	'NORTH AMARILLO SWITCHING STATION - NORTHWEST INTERCHANGE 69KV CKT 1'	TO->FROM	0.24904	59	104.9116	'COULTER INTERCHANGE 115/69KV TRANSFORMER CKT 1'
10G	G08_084S0	'NORTH AMARILLO SWITCHING STATION - NORTHWEST INTERCHANGE 69KV CKT 1'	TO->FROM	0.20876	54	104.7774	'BASE CASE'
10G	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.20649	435.8	104.6868	'BASE CASE'
10G	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.22419	435.8	104.6868	'BASE CASE'
10G	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.19735	435.8	104.6868	'BASE CASE'
10G	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.20649	435.8	104.6868	'BASE CASE'
10G	G08_069	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.20864	350.8	104.5668	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_072	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.20543	350.8	104.5668	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_093	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.20756	350.8	104.5668	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_101	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.21791	350.8	104.5668	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_102	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.20437	350.8	104.5668	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G09_038	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.21466	350.8	104.5668	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G09_039	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.20864	350.8	104.5668	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_069	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.20864	350.9	104.5085	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_072	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.20543	350.9	104.5085	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_093	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.20756	350.9	104.5085	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_101	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.21791	350.9	104.5085	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_102	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.20437	350.9	104.5085	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G09_038	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.21466	350.9	104.5085	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G09_039	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.20864	350.9	104.5085	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.21926	64.8	104.3441	'FREEDOM - WEST 69KV CKT 1'
10G	G08_069	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.33993	351	104.3022	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_093	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.33993	351	104.3022	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_101	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.32547	351	104.3022	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G09_038	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.42687	351	104.3022	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G09_039	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.33993	351	104.3022	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_077S0	'ELK CITY - RHWIND4 138.00 138KV CKT 1'	TO->FROM	0.60361	178.7	104.2956	'ELK CITY - FALCON ROAD 138KV CKT 1'
10G	G08_069	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.33993	351	104.2737	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_093	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.33993	351	104.2737	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_101	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.32547	351	104.2737	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G09_038	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.42687	351	104.2737	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G09_039	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.33993	351	104.2737	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_084S0	'HASTINGS SUB - NORTH AMARILLO SWITCHING STATION 69KV CKT 1'	TO->FROM	0.27592	59	104.2307	'LAWRENCE PARK SUB 2 (WEST) - LAWRENCE PARK SUB1 (EAST) 69KV CKT 1'
10G	G08_077S0	'BECKHAM CO 230.00 - WHEELER 6 230.00 230KV CKT 1'	FROM->TO	0.46294	347.1	104.2222	'MOORELAND - MOREWOOD SW 138KV CKT 1'
10G	G08_084	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.21188	350.6	104.0114	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
10G	G08_077S0	'BECKHAM CO 230.00 - WHEELER 6 230.00 230KV CKT 1'	FROM->TO	0.35072	347.1	103.9837	'WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1'
10G	G08_121	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	0.22148	713.7	103.9701	'CIMARRON - G07-43T 345.00 345KV CKT 1'
10G	G08_130	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	0.22148	713.7	103.9701	'CIMARRON - G07-43T 345.00 345KV CKT 1'
10G	G09_034	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	0.26406	713.7	103.9701	'CIMARRON - G07-43T 345.00 345KV CKT 1'
10G	G09_035	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	0.26406	713.7	103.9701	'CIMARRON - G07-43T 345.00 345KV CKT 1'
10G	G09_036	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	-0.33147	713.7	103.9701	'CIMARRON - G07-43T 345.00 345KV CKT 1'
10G	G09_037	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	-0.33147	713.7	103.9701	'CIMARRON - G07-43T 345.00 345KV CKT 1'
10G	G08_077S0	'BRANTLEY - DURHAM 138KV CKT 1'	TO->FROM	0.59883	130	103.9398	'BECKHAM CO 230.00 - WHEELER 6 230.00 230KV CKT 1'
10G	G08_077S0	'MOORELAND - MOREWOOD SW 138KV CKT 1'	TO->FROM	0.37675	179	103.7651	'BECKHAM CO 230.00 - WHEELER 6 230.00 230KV CKT 1'
10G	G08_101	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.19187	344.5	103.7209	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G09_038	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.19331	344.5	103.7209	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_101	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.19187	344.5	103.6919	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G09_038	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.19331	344.5	103.6919	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_067	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.22544	1051.6	103.6594	'G08-82T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_084	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.25939	1051.6	103.6594	'G08-82T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_109	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.37223	1051.6	103.6594	'G08-82T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_120	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.24246	1051.6	103.6594	'G08-82T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_023S	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.28328	1051.6	103.6594	'G08-82T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_024S	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.28328	1051.6	103.6594	'G08-82T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_033	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.38494	1051.6	103.6594	'G08-82T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_041	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.36664	1051.6	103.6594	'G08-82T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G09_044S	'FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1'	TO->FROM	0.19946	1051.6	103.6594	'G08-82T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_103	'CRTSJCT2 69.000 - WOODWARD 69KV CKT 1'	TO->FROM	0.21003	72	103.4847	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25122	346.2	103.3697	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25204	346.2	103.2952	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_067	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.20236	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G08_069	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.22747	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G08_072	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.22613	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_077	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.25557	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G08_093	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.22674	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G08_101	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.2319	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G08_102	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.22614	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G08_120	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.19258	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G08_121	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.30016	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G08_130	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.30016	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G09_034	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.62226	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G09_035	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.62226	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G09_038	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.23177	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G09_039	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.22747	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G09_042	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.25557	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G09_044S	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.21707	955.8	103.1774	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
10G	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.22723	496.9	103.1347	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_072	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.1919	496.9	103.1347	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.24472	496.9	103.1347	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.2177	496.9	103.1347	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.22723	496.9	103.1347	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
10G	G08_120	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.26417	349.1	102.9609	'BUSHLAND INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_077S0	'BECKHAM CO 230.00 - WHEELER 6 230.00 230KV CKT 1'	FROM->TO	0.35072	347.1	102.7448	'HINTON - WEATHERFORD JCT. 138KV CKT 1'
10G	G08_120	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.26417	349.1	102.7318	'BUSHLAND INTERCHANGE - COULTER INTERCHANGE 115KV CKT 1'
10G	G08_093	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.26971	350.5	102.6242	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_077S0	'BECKHAM CO 230.00 - WHEELER 6 230.00 230KV CKT 1'	FROM->TO	0.35072	347.1	102.4279	'CAN_GAS4 138.00 - HINTON 138KV CKT 1'
10G	G08_077S0	'BECKHAM CO 230.00 - WHEELER 6 230.00 230KV CKT 1'	FROM->TO	0.39638	347.1	102.3292	'CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1'
10G	G08_115	'FARGOJCT2 69.000 - FT SUPPLY 69KV CKT 1'	TO->FROM	0.20427	52.8	102.1856	'BASE CASE'
10G	G08_069	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.22748	350.6	102.142	'TOLK STATION (ABBXL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_069	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.22748	350.6	102.142	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_093	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.22748	350.6	102.142	'TOLK STATION (ABBXL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_093	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.22748	350.6	102.142	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_101	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.2701	350.6	102.142	'TOLK STATION (ABBXL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_101	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.2701	350.6	102.142	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G09_038	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.269	350.6	102.142	'TOLK STATION (ABBXL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G09_038	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.269	350.6	102.142	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G09_039	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.22748	350.6	102.142	'TOLK STATION (ABBXL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G09_039	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.22748	350.6	102.142	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_077S0	'BECKHAM CO 230.00 - WHEELER 6 230.00 230KV CKT 1'	FROM->TO	0.40466	347.1	102.1319	'CLINTON JUNCTION - ELK CITY 138KV CKT 1'
10G	G08_109	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'	TO->FROM	0.61599	250.2	102.0378	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
10G	G08_077S0	'BECKHAM CO 230.00 - WHEELER 6 230.00 230KV CKT 1'	FROM->TO	0.35072	347.1	102.0246	'CAN_GAS4 138.00 - JENSEN ROAD 138KV CKT 1'
10G	G08_109	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'	TO->FROM	0.65509	250.2	101.8639	'OCHILTREE 3 115.00 - TRI COUNTY REC-COLE 115KV CKT 1'
10G	G08_077S0	'BECKHAM CO 230.00 - WHEELER 6 230.00 230KV CKT 1'	FROM->TO	0.39638	347.1	101.8107	'CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1'
10G	G08_109	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'	TO->FROM	0.69629	250.2	101.8056	'MOORE COUNTY INTERCHANGE E. - SHERMAN COUNTY TAP 115KV CKT 1'
10G	G08_109	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'	TO->FROM	0.69667	250.2	101.7205	'DWS_FRISCO 3115.00 - SHERMAN COUNTY TAP 115KV CKT 1'
10G	G08_077S0	'CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1'	TO->FROM	0.26449	191.9	101.6941	'BECKHAM CO 230.00 - WHEELER 6 230.00 230KV CKT 1'
10G	G08_120	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.29444	350.6	101.5035	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
10G	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.20649	496.9	101.4741	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.22419	496.9	101.4741	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.19735	496.9	101.4741	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.20649	496.9	101.4741	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_084S0	'NORTH AMARILLO SWITCHING STATION - NORTHWEST INTERCHANGE 69KV CKT 1'	TO->FROM	0.20917	59	101.4339	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_109	'HITCHLAND 6 230.00 230/115KV TRANSFORMER CKT 1'	TO->FROM	0.65385	250.2	101.1901	'OCHILTREE 6 230.00 230/115KV TRANSFORMER CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.26161	170.9	100.9913	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_103	'CRTSJCT2 69.000 - WOODWARD 69KV CKT 1'	TO->FROM	0.21003	72	100.9847	'IODINE - MOORELAND 138KV CKT 1'
10G	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.21896	496.9	100.9706	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
10G	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.23658	496.9	100.9706	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
10G	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.20968	496.9	100.9706	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
10G	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.21896	496.9	100.9706	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
10G	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.25724	496.9	100.8703	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.25724	496.9	100.8703	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.25724	496.9	100.8703	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_120	'G06-39T 230.00 - G06-47 230.00 230KV CKT 1'	TO->FROM	0.99329	358.2	100.8409	'BASE CASE'
10G	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.22417	496.9	100.8169	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.23687	496.9	100.8169	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.21309	496.9	100.8169	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.22417	496.9	100.8169	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27183	346.2	100.7363	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'

Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27183	346.2	100.7363	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G08_067	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	-0.20509	350.9	100.6338	'BAILEY COUNTY REC-EARTH INTERCHANGE - PLANT X STATION 115KV CKT 1'
10G	G08_086	'FARGOJCT2 69.000 - WOODWARD 69KV CKT 1'	FROM->TO	0.21926	64.8	100.4861	'ALVA - FREEDOM 69KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27033	346.2	100.4501	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
10G	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27033	346.2	100.4501	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
10G	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.34058	350.2	100.3137	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
10G	G08_069	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'	TO->FROM	0.99579	924.4	100.2689	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_093	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'	TO->FROM	0.99579	924.4	100.2689	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G09_039	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'	TO->FROM	0.99579	924.4	100.2689	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
10G	G08_069	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'	TO->FROM	0.99579	924.4	100.2581	'TOLK STATION (ABBXL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_093	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'	TO->FROM	0.99579	924.4	100.2581	'TOLK STATION (ABBXL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G09_039	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'	TO->FROM	0.99579	924.4	100.2581	'TOLK STATION (ABBXL844501) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_084	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.22365	350.6	100.2553	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
10G	G08_069	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.20639	496.9	100.2387	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_072	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.2509	496.9	100.2387	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_093	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.22535	496.9	100.2387	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_102	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.19765	496.9	100.2387	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G09_039	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.20639	496.9	100.2387	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
10G	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23214	313.7	100.2365	'BASE CASE'
10G	G08_121	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	0.2221	713.7	100.2305	'ANADARK7 345.00 - G07-43T 345.00 345KV CKT 1'
10G	G08_130	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	0.2221	713.7	100.2305	'ANADARK7 345.00 - G07-43T 345.00 345KV CKT 1'
10G	G09_036	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	-0.33085	713.7	100.2305	'ANADARK7 345.00 - G07-43T 345.00 345KV CKT 1'
10G	G09_037	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'	FROM->TO	-0.33085	713.7	100.2305	'ANADARK7 345.00 - G07-43T 345.00 345KV CKT 1'
10G	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.19605	350.5	100.2274	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_084	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	-0.34288	350.5	100.2274	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.29037	350.5	100.2274	'PNM BLACKWATER DC TIE - ROSEVELT_S 6230.00 230KV CKT 1'
10G	G08_115	'BUFFALO - WEST 69KV CKT 1'	FROM->TO	0.19564	64.8	100.1975	'FT SUPPLY - IODINE 138KV CKT 1'
10G	G08_069	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'	FROM->TO	0.99579	925.9	100.1065	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
10G	G08_069	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'	FROM->TO	0.99579	925.9	100.1065	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G08_093	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'	FROM->TO	0.99579	925.9	100.1065	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
10G	G08_093	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'	FROM->TO	0.99579	925.9	100.1065	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
10G	G09_039	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'	FROM->TO	0.99579	925.9	100.1065	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
10G	G09_039	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'	FROM->TO	0.99579	925.9	100.1065	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_135	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	1	166.2	1186.929	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	1	166.2	1186.929	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	1	166.2	1186.929	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	1	192.6	1117.282	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	1	192.6	1117.282	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	1	192.6	1117.282	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'HOBBBS_INT 6 230.00 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.69133	149.1	1036.665	'HOBBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'HOBBBS_INT 6 230.00 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.69133	149.1	1036.665	'HOBBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'HOBBBS_INT 6 230.00 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.69133	149.1	1036.665	'HOBBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'HOBBBS_INT 6 230.00 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.8206	149.1	1036.665	'HOBBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.70448	175.6	817.9791	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.70448	175.6	817.9791	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.70448	175.6	817.9791	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-KOCH - CAPROCK REC-REED 138KV CKT 1'	TO->FROM	0.70448	175.6	809.8355	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-KOCH - CAPROCK REC-REED 138KV CKT 1'	TO->FROM	0.70448	175.6	809.8355	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-KOCH - CAPROCK REC-REED 138KV CKT 1'	TO->FROM	0.70448	175.6	809.8355	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-KOCH - CAPROCK REC-VEALMOOR 138KV CKT 1'	FROM->TO	0.70448	175.5	808.6445	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-KOCH - CAPROCK REC-VEALMOOR 138KV CKT 1'	FROM->TO	0.70448	175.5	808.6445	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-KOCH - CAPROCK REC-VEALMOOR 138KV CKT 1'	FROM->TO	0.70448	175.5	808.6445	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	1	270.8	790.1716	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	1	270.8	790.1716	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	1	270.8	790.1716	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	1	271	782.2822	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	1	271	782.2822	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	1	271	782.2822	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	1	350.3	614.2977	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_136	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	1	350.3	614.2977	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_007	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	1	350.3	614.2977	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_135	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	1	350.3	610.8434	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_136	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	1	350.3	610.8434	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G09_007	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	1	350.3	610.8434	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_135	'HOBBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	1	350.3	605.1912	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'









## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G09_007	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.31836	346.7	292.862	'CUNNINGHAM STATION 230/13.8KV TRANSFORMER CKT 1'
14SP	G09_038	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.37294	346.7	292.862	'CUNNINGHAM STATION 230/13.8KV TRANSFORMER CKT 1'
14SP	G08_135	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.30392	270.8	292.0056	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.30392	270.8	292.0056	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.30392	270.8	292.0056	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23285	166.2	291.3642	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23285	166.2	291.3642	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G09_007	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23285	166.2	291.3642	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_135	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23569	166.2	290.7495	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23569	166.2	290.7495	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G09_007	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23569	166.2	290.7495	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.22496	208	288.6825	'BASE CASE'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.22496	208	288.6825	'BASE CASE'
14SP	G09_007	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.22496	208	288.6825	'BASE CASE'
14SP	G08_135	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23059	166.2	288.0822	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23059	166.2	288.0822	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_007	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23059	166.2	288.0822	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_131	'CARLISLE INTERCHANGE - DOUD SUB 115KV CKT 1'	TO->FROM	0.29281	159.4	287.5049	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_101	'GAINES COUNTY INTERCHANGE - TAYLOR SWITCHING STATION 115KV CKT 1'	TO->FROM	0.19347	157.3	287.4586	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23118	166.2	286.8187	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23118	166.2	286.8187	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23118	166.2	286.8187	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	1	192.6	285.4621	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.30917	351	284.761	'GAINES COUNTY INTERCHANGE - TAYLOR SWITCHING STATION 115KV CKT 1'
14SP	G08_132	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.38785	351	284.761	'GAINES COUNTY INTERCHANGE - TAYLOR SWITCHING STATION 115KV CKT 1'
14SP	G08_135	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.3209	351	284.761	'GAINES COUNTY INTERCHANGE - TAYLOR SWITCHING STATION 115KV CKT 1'
14SP	G08_136	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.3209	351	284.761	'GAINES COUNTY INTERCHANGE - TAYLOR SWITCHING STATION 115KV CKT 1'
14SP	G09_007	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.3209	351	284.761	'GAINES COUNTY INTERCHANGE - TAYLOR SWITCHING STATION 115KV CKT 1'
14SP	G09_038	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.38615	351	284.761	'GAINES COUNTY INTERCHANGE - TAYLOR SWITCHING STATION 115KV CKT 1'
14SP	G08_135	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.30392	271	284.4838	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.30392	271	284.4838	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.30392	271	284.4838	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22647	347.6	283.1905	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_131	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.30695	347.6	283.1905	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_132	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22694	347.6	283.1905	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_135	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.263	347.6	283.1905	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_136	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.263	347.6	283.1905	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_001	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.45974	347.6	283.1905	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_002	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.45974	347.6	283.1905	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_007	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.263	347.6	283.1905	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_038	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22728	347.6	283.1905	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_101	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.25311	319	281.9191	'BASE CASE'
14SP	G08_132	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.3528	319	281.9191	'BASE CASE'
14SP	G08_135	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.2917	319	281.9191	'BASE CASE'
14SP	G08_136	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.2917	319	281.9191	'BASE CASE'
14SP	G09_007	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.2917	319	281.9191	'BASE CASE'
14SP	G09_038	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.35085	319	281.9191	'BASE CASE'
14SP	G08_101	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.26458	351	277.7672	'CUNNINGHAM STATION - POTASH JUNCTION INTERCHANGE 230KV CKT 1'
14SP	G08_132	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.37245	351	277.7672	'CUNNINGHAM STATION - POTASH JUNCTION INTERCHANGE 230KV CKT 1'
14SP	G08_135	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.30834	351	277.7672	'CUNNINGHAM STATION - POTASH JUNCTION INTERCHANGE 230KV CKT 1'
14SP	G08_136	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.30834	351	277.7672	'CUNNINGHAM STATION - POTASH JUNCTION INTERCHANGE 230KV CKT 1'
14SP	G09_007	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.30834	351	277.7672	'CUNNINGHAM STATION - POTASH JUNCTION INTERCHANGE 230KV CKT 1'
14SP	G09_038	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.37036	351	277.7672	'CUNNINGHAM STATION - POTASH JUNCTION INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.19963	175.6	277.231	'CAPROCK REC-MCDONALD - CR-1956 4138.00 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.19963	175.6	277.231	'CAPROCK REC-MCDONALD - CR-1956 4138.00 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.19963	175.6	277.231	'CAPROCK REC-MCDONALD - CR-1956 4138.00 138KV CKT 1'
14SP	G08_135	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.2141	175.6	276.7565	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.2141	175.6	276.7565	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.2141	175.6	276.7565	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	1	192.6	275.5971	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.19963	175.6	275.2378	'CAPROCK REC-NEW SCHWARTZ - CR-1956 4138.00 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.19963	175.6	275.2378	'CAPROCK REC-NEW SCHWARTZ - CR-1956 4138.00 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.19963	175.6	275.2378	'CAPROCK REC-NEW SCHWARTZ - CR-1956 4138.00 138KV CKT 1'
14SP	G08_135	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.22496	166.2	272.6543	'BASE CASE'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.22496	166.2	272.6543	'BASE CASE'













## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G09_038	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.25262	350.2	226.0186	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_101	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.25322	350.2	225.9615	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_132	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.25261	350.2	225.9615	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_135	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.25262	350.2	225.9615	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_136	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.25262	350.2	225.9615	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G09_007	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.25262	350.2	225.9615	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G09_038	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.25262	350.2	225.9615	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_136	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.8845	501.3	225.3419	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_135	'CAPROCK REC-ST LAWRENCE - CAPROCK REC-STILES 138KV CKT 1'	TO->FROM	0.29552	271	224.061	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-ST LAWRENCE - CAPROCK REC-STILES 138KV CKT 1'	TO->FROM	0.29552	271	224.061	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-ST LAWRENCE - CAPROCK REC-STILES 138KV CKT 1'	TO->FROM	0.29552	271	224.061	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25943	348.5	223.8514	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25865	348.5	223.8514	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27036	348.5	223.8514	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_101	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.20081	348.5	223.8514	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25699	348.5	223.8514	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_132	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.20338	348.5	223.8514	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_038	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.20313	348.5	223.8514	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25943	348.5	223.8514	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_136	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.8845	501.3	223.2075	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.36982	350.9	223.0347	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_069	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.28607	350.9	223.0347	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_072	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.29053	350.9	223.0347	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_093	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.29052	350.9	223.0347	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_101	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.26022	350.9	223.0347	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_102	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.29094	350.9	223.0347	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.53276	350.9	223.0347	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_131	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.224	350.9	223.0347	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_132	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.26115	350.9	223.0347	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_135	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24695	350.9	223.0347	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_136	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24695	350.9	223.0347	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G09_007	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24695	350.9	223.0347	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G09_038	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.26101	350.9	223.0347	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G09_039	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.28607	350.9	223.0347	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_136	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.77504	318.3	222.8063	'BASE CASE'
14SP	G08_067	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'	FROM->TO	0.24572	95.8	221.4234	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_101	'HOBBS_INT 3 115.00 - LEA COUNTY INTERCHANGE 115KV CKT 1'	FROM->TO	-0.64435	250.5	220.1711	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'HOBBS_INT 3 115.00 - LEA COUNTY INTERCHANGE 115KV CKT 1'	FROM->TO	0.24057	250.5	220.1711	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'HOBBS_INT 3 115.00 - LEA COUNTY INTERCHANGE 115KV CKT 1'	FROM->TO	0.24057	250.5	220.1711	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'HOBBS_INT 3 115.00 - LEA COUNTY INTERCHANGE 115KV CKT 1'	FROM->TO	0.24057	250.5	220.1711	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'HOBBS_INT 3 115.00 - LEA COUNTY INTERCHANGE 115KV CKT 1'	FROM->TO	0.28635	250.5	220.1711	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.8845	501.3	219.7166	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_101	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19856	350.8	219.3898	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.25386	350.8	219.3898	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21417	350.8	219.3898	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21417	350.8	219.3898	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21417	350.8	219.3898	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.25272	350.8	219.3898	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'HOBBS_INT 6 230.00 230/115KV TRANSFORMER CKT 1'	FROM->TO	-0.26939	149.1	218.4297	'LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
14SP	G08_132	'CUNNINGHAM STATION - POTASH JUNCTION INTERCHANGE 230KV CKT 1'	FROM->TO	0.21255	350.9	217.6509	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'CUNNINGHAM STATION - POTASH JUNCTION INTERCHANGE 230KV CKT 1'	FROM->TO	0.21128	350.9	217.6509	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.35627	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.27588	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_072	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.28018	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	-0.28207	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_093	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.28021	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.25077	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_102	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.28057	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.51612	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_131	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.2156	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.25168	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.23788	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.23788	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.23788	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.25153	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G09_039	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.27588	351	217.0711	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24305	348.5	217.0372	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24123	348.5	217.0372	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25445	348.5	217.0372	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24101	348.5	217.0372	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24305	348.5	217.0372	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24305	348.5	216.2625	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24123	348.5	216.2625	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25445	348.5	216.2625	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24101	348.5	216.2625	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24305	348.5	216.2625	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_135	'CAPROCK REC-BUCHANAN - CAPROCK REC-LANGE 138KV CKT 1'	TO->FROM	0.29552	270.9	215.838	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-BUCHANAN - CAPROCK REC-LANGE 138KV CKT 1'	TO->FROM	0.29552	270.9	215.838	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-BUCHANAN - CAPROCK REC-LANGE 138KV CKT 1'	TO->FROM	0.29552	270.9	215.838	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24305	348.5	215.0286	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24123	348.5	215.0286	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25445	348.5	215.0286	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24101	348.5	215.0286	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24305	348.5	215.0286	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_069	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.24344	350.6	214.6542	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_072	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.24259	350.6	214.6542	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_093	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.24905	350.6	214.6542	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_101	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.2198	350.6	214.6542	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_102	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.22559	350.6	214.6542	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_120	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	-0.21836	350.6	214.6542	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_131	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.19185	350.6	214.6542	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_132	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.22038	350.6	214.6542	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_135	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.2083	350.6	214.6542	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_136	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.2083	350.6	214.6542	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G09_007	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.2083	350.6	214.6542	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G09_038	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.22026	350.6	214.6542	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G09_039	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.24344	350.6	214.6542	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G09_007	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	1	166.2	213.9899	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27673	348.5	213.5685	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27825	348.5	213.5685	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.28829	348.5	213.5685	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_101	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.21562	348.5	213.5685	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27421	348.5	213.5685	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_131	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.22884	348.5	213.5685	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_132	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.21718	348.5	213.5685	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G09_038	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.21669	348.5	213.5685	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27673	348.5	213.5685	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_101	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.23811	350.2	210.8141	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.26234	350.2	210.8141	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.2115	350.2	210.8141	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.2115	350.2	210.8141	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.2115	350.2	210.8141	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.26151	350.2	210.8141	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.22496	167.5	210.5119	'BASE CASE'
14SP	G08_135	'CAPROCK REC-BUCHANAN - CAPROCK REC-RUSSEL TAP 138KV CKT 1'	FROM->TO	0.29552	270.9	209.7841	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-BUCHANAN - CAPROCK REC-RUSSEL TAP 138KV CKT 1'	FROM->TO	0.29552	270.9	209.7841	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-BUCHANAN - CAPROCK REC-RUSSEL TAP 138KV CKT 1'	FROM->TO	0.29552	270.9	209.7841	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.89582	350.9	209.2222	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_067	'CANYON WEST SUB - DAWN SUB 115KV CKT 1'	TO->FROM	0.24572	95.9	208.5752	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-RUSSEL TAP - CAPROCK REC-VEALMOOR 138KV CKT 1'	FROM->TO	0.29552	270.9	207.6431	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-RUSSEL TAP - CAPROCK REC-VEALMOOR 138KV CKT 1'	FROM->TO	0.29552	270.9	207.6431	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-RUSSEL TAP - CAPROCK REC-VEALMOOR 138KV CKT 1'	FROM->TO	0.29552	270.9	207.6431	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_067	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'	TO->FROM	0.24572	98.9	206.7984	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_101	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.26318	350.2	206.3575	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_132	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.25665	350.2	206.3575	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_135	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.20495	350.2	206.3575	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_136	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.20495	350.2	206.3575	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G09_007	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.20495	350.2	206.3575	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G09_038	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.25625	350.2	206.3575	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_101	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.24934	350.2	206.0082	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'





Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G09_007	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19525	350.8	197.9184	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G09_038	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19525	350.8	197.9184	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24665	348.5	196.3564	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24757	348.5	196.3564	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25863	348.5	196.3564	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24473	348.5	196.3564	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24665	348.5	196.3564	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23526	316.2	195.3343	'BASE CASE'
14SP	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23802	316.2	195.3343	'BASE CASE'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24839	316.2	195.3343	'BASE CASE'
14SP	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.2339	316.2	195.3343	'BASE CASE'
14SP	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.23526	316.2	195.3343	'BASE CASE'
14SP	G08_101	'HOBBS_INT 6 230.00 230/115KV TRANSFORMER CKT 1'	FROM->TO	-0.23614	149.1	195.022	'CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1'
14SP	G08_069	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24665	348.5	194.7208	'DOUD SUB - SOUTH PLAINS REC-YUMA 115KV CKT 1'
14SP	G08_072	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24757	348.5	194.7208	'DOUD SUB - SOUTH PLAINS REC-YUMA 115KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25863	348.5	194.7208	'DOUD SUB - SOUTH PLAINS REC-YUMA 115KV CKT 1'
14SP	G08_102	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24473	348.5	194.7208	'DOUD SUB - SOUTH PLAINS REC-YUMA 115KV CKT 1'
14SP	G09_039	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24665	348.5	194.7208	'DOUD SUB - SOUTH PLAINS REC-YUMA 115KV CKT 1'
14SP	G08_101	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.19839	350.4	194.1972	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_131	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.52276	350.4	194.1972	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_132	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.19892	350.4	194.1972	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_135	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.19892	350.4	194.1972	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_136	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.19892	350.4	194.1972	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_001	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.21207	350.4	194.1972	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_002	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.21207	350.4	194.1972	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_007	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.19892	350.4	194.1972	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_038	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.19892	350.4	194.1972	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_067	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.44686	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_069	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.28701	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_072	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.29219	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_084	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	-0.21737	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_093	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.29118	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_101	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.26142	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_102	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.29535	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_120	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	-0.32121	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_131	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.22474	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_132	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.26238	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_135	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.24818	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_136	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.24818	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G09_007	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.24818	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G09_038	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.26224	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G09_039	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.28701	347.1	193.7573	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G08_101	'LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.25776	164.9	193.702	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.20823	164.9	193.702	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.23569	192.6	193.5113	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.19839	350.4	192.7703	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_131	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.52276	350.4	192.7703	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_132	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.19892	350.4	192.7703	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_135	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.19892	350.4	192.7703	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_136	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.19892	350.4	192.7703	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G09_001	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.21207	350.4	192.7703	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G09_002	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.21207	350.4	192.7703	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G09_007	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.19892	350.4	192.7703	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G09_038	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.19892	350.4	192.7703	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_132	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21319	350.8	192.2097	'PECOS INTERCHANGE - SEVEN RIVERS INTERCHANGE 230KV CKT 1'
14SP	G09_038	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21241	350.8	192.2097	'PECOS INTERCHANGE - SEVEN RIVERS INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	1	270.8	191.5436	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	1	271	191.107	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.8845	501.3	190.9314	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_136	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.8845	501.3	190.8516	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_136	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.23285	192.6	190.7511	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_136	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.23285	192.6	190.7511	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_101	'LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	-0.28989	164.9	190.5807	'HOBBS_INT 6 230.00 230/115KV TRANSFORMER CKT 1'
14SP	G08_101	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.19839	350.4	190.4872	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_131	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.52276	350.4	190.4872	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'



## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G08_132	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.25261	350.7	186.5746	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_135	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.25262	350.7	186.5746	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_136	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.25262	350.7	186.5746	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_007	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.25262	350.7	186.5746	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_038	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.25262	350.7	186.5746	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_101	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.25322	350.7	186.5461	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_132	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.25261	350.7	186.5461	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_135	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.25262	350.7	186.5461	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_136	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.25262	350.7	186.5461	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G09_007	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.25262	350.7	186.5461	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G09_038	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.25262	350.7	186.5461	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_132	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20498	350.8	185.9367	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.2042	350.8	185.9367	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	185.7577	'CAPROCK REC-MCDONALD - CR-1956 4138.00 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	185.7577	'CAPROCK REC-MCDONALD - CR-1956 4138.00 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	185.7577	'CAPROCK REC-MCDONALD - CR-1956 4138.00 138KV CKT 1'
14SP	G08_069	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.21282	350.6	185.6455	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_072	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.21235	350.6	185.6455	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_093	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.21919	350.6	185.6455	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_102	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.19835	350.6	185.6455	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_039	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.21282	350.6	185.6455	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.2141	270.9	185.4132	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.2141	270.9	185.4132	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.2141	270.9	185.4132	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	184.4288	'CAPROCK REC-NEW SCHWARTZ - CR-1956 4138.00 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	184.4288	'CAPROCK REC-NEW SCHWARTZ - CR-1956 4138.00 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	184.4288	'CAPROCK REC-NEW SCHWARTZ - CR-1956 4138.00 138KV CKT 1'
14SP	G08_135	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	1	271	184.0959	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.21302	351	182.3161	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
14SP	G08_072	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.2128	351	182.3161	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
14SP	G08_093	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.21771	351	182.3161	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
14SP	G08_101	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.19252	351	182.3161	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
14SP	G08_102	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.19993	351	182.3161	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
14SP	G08_120	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	-0.19657	351	182.3161	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
14SP	G08_132	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.19306	351	182.3161	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
14SP	G09_038	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.19295	351	182.3161	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
14SP	G09_039	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.21302	351	182.3161	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
14SP	G08_136	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.76844	501.3	181.6045	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G08_135	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	180.4495	'CAPROCK REC-STILES - G09-17T 138.00 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	180.4495	'CAPROCK REC-STILES - G09-17T 138.00 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	180.4495	'CAPROCK REC-STILES - G09-17T 138.00 138KV CKT 1'
14SP	G08_136	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.76844	501.3	179.889	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G08_136	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.76891	501.3	179.8888	'HOBBS_INT 6 230.00 230/115KV TRANSFORMER CKT 1'
14SP	G08_135	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	179.1132	'CAPROCK REC-NEW SCHWARTZ - CAPROCK REC-PEMBROOK 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	179.1132	'CAPROCK REC-NEW SCHWARTZ - CAPROCK REC-PEMBROOK 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	179.1132	'CAPROCK REC-NEW SCHWARTZ - CAPROCK REC-PEMBROOK 138KV CKT 1'
14SP	G08_136	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.76844	501.3	178.7719	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'
14SP	G08_136	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.19963	192.6	178.5083	'CAPROCK REC-RUSSEL TAP - CAPROCK REC-VEALMOOR 138KV CKT 1'
14SP	G08_136	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.76844	501.3	178.3929	'CAPROCK REC-KOCH - CAPROCK REC-REED 138KV CKT 1'
14SP	G08_067	'CANYON EAST SUB - CANYON WEST SUB 115KV CKT 1'	TO->FROM	0.24572	96	178.0454	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.61912	616	177.8992	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.59674	616	177.8992	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.68485	616	177.8992	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.36358	616	177.8992	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_102	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.34587	616	177.8992	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_132	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.37173	616	177.8992	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_135	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.31945	616	177.8992	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_136	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.31945	616	177.8992	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G09_007	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.31945	616	177.8992	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.37113	616	177.8992	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.61912	616	177.8992	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_136	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.19963	192.6	177.3142	'CAPROCK REC-BUCHANAN - CAPROCK REC-RUSSEL TAP 138KV CKT 1'
14SP	G08_135	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	177.201	'CAPROCK REC-ST LAWRENCE - CAPROCK REC-STILES 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	177.201	'CAPROCK REC-ST LAWRENCE - CAPROCK REC-STILES 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.19963	270.9	177.201	'CAPROCK REC-ST LAWRENCE - CAPROCK REC-STILES 138KV CKT 1'





Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G08_136	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.2003	351	171.7888	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G09_007	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.2003	351	171.7888	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G09_038	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.2117	351	171.7888	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G09_039	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'	TO->FROM	0.23246	351	171.7888	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_101	'LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	-0.21148	164.9	171.6898	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_101	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.23811	350.7	171.4203	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.26234	350.7	171.4203	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.2115	350.7	171.4203	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.2115	350.7	171.4203	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.2115	350.7	171.4203	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.26151	350.7	171.4203	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	-0.21148	164.9	171.0228	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.70448	175.6	170.9931	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	170.6456	'CAPROCK REC-STILES - G09-17T 138.00 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	170.6456	'CAPROCK REC-STILES - G09-17T 138.00 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	170.6456	'CAPROCK REC-STILES - G09-17T 138.00 138KV CKT 1'
14SP	G08_101	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.2149	346.3	170.4873	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_131	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.41591	346.3	170.4873	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_132	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21142	346.3	170.4873	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_135	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21147	346.3	170.4873	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_136	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21147	346.3	170.4873	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G09_001	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	-0.27698	346.3	170.4873	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G09_002	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	-0.27698	346.3	170.4873	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G09_007	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21147	346.3	170.4873	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G09_038	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21147	346.3	170.4873	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_067	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	-0.20023	350.6	170.3956	'BAILEY COUNTY REC-EARTH INTERCHANGE - CASTRO COUNTY INTERCHANGE 115KV CKT 1'
14SP	G08_101	'LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	-0.21148	164.9	169.8099	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_135	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	169.3083	'CAPROCK REC-NEW SCHWARTZ - CAPROCK REC-PEMBROOK 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	169.3083	'CAPROCK REC-NEW SCHWARTZ - CAPROCK REC-PEMBROOK 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	169.3083	'CAPROCK REC-NEW SCHWARTZ - CAPROCK REC-PEMBROOK 138KV CKT 1'
14SP	G08_093	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'	TO->FROM	0.19053	350.6	168.995	'PLANT X STATION 230/115KV TRANSFORMER CKT 1'
14SP	G09_044S	'HALE CO INTERCHANGE - KRESS INTERCHANGE 115KV CKT 1'	FROM->TO	-0.36125	118.2	168.2917	'SWISHER COUNTY INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	167.3948	'CAPROCK REC-ST LAWRENCE - CAPROCK REC-STILES 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	167.3948	'CAPROCK REC-ST LAWRENCE - CAPROCK REC-STILES 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	167.3948	'CAPROCK REC-ST LAWRENCE - CAPROCK REC-STILES 138KV CKT 1'
14SP	G08_135	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	167.2027	'CAPROCK REC-PEMBROOK - G09-17T 138.00 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	167.2027	'CAPROCK REC-PEMBROOK - G09-17T 138.00 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	167.2027	'CAPROCK REC-PEMBROOK - G09-17T 138.00 138KV CKT 1'
14SP	G08_077	'BRANTLEY - DURHAM 138KV CKT 1'	TO->FROM	1	129.8	167.0262	'DURHAM - SWEETWATER 138KV CKT 1'
14SP	G08_077	'DURHAM - SWEETWATER 138KV CKT 1'	FROM->TO	1	129.8	167.0262	'BRANTLEY - DURHAM 138KV CKT 1'
14SP	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.25664	350.9	166.9793	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_069	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21903	350.9	166.9793	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_072	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.22229	350.9	166.9793	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_093	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.22399	350.9	166.9793	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_101	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.1912	350.9	166.9793	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_102	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.22188	350.9	166.9793	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.35157	350.9	166.9793	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_132	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19222	350.9	166.9793	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_038	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19207	350.9	166.9793	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_039	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21903	350.9	166.9793	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_101	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.24934	350.7	166.5928	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.24989	350.7	166.5928	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.20118	350.7	166.5928	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.20118	350.7	166.5928	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.20118	350.7	166.5928	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.24941	350.7	166.5928	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-PEMBROOK - G09-17T 138.00 138KV CKT 1'	FROM->TO	0.29552	175.9	165.7432	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-STILES - G09-17T 138.00 138KV CKT 1'	TO->FROM	0.29552	175.9	165.7432	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_067	'CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1'	FROM->TO	-0.42504	95.7	165.6882	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'
14SP	G08_077	'DURHAM - SWEETWATER 138KV CKT 1'	FROM->TO	1	129.8	165.5624	'BRANTLEY - MORWOOD 138KV CKT 1'
14SP	G08_077	'DURHAM - SWEETWATER 138KV CKT 1'	FROM->TO	1	129.8	165.5624	'MOREWOOD SW - MORWOOD 138KV CKT 1'
14SP	G08_101	'LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	-0.21048	164.9	165.4988	'CUNNINGHAM STATION - POTASH JUNCTION INTERCHANGE 230KV CKT 1'
14SP	G08_101	'LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	-0.27014	164.9	165.1626	'CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1'
14SP	G08_101	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.23812	350.4	165.0396	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_131	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.52763	350.4	165.0396	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'

Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G08_132	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.22854	350.4	165.0396	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G09_001	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.22064	350.4	165.0396	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G09_002	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.22064	350.4	165.0396	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G09_038	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.22798	350.4	165.0396	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'	FROM->TO	1	525.7	164.923	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.22496	207.7	163.942	'BASE CASE'
14SP	G08_135	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.70448	175.6	163.3707	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	163.2943	'CAPROCK REC-LANGE - CAPROCK REC-ST LAWRENCE 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	163.2943	'CAPROCK REC-LANGE - CAPROCK REC-ST LAWRENCE 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	163.2943	'CAPROCK REC-LANGE - CAPROCK REC-ST LAWRENCE 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-KOCH - CAPROCK REC-REED 138KV CKT 1'	TO->FROM	0.70448	175.6	162.8496	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.38193	495.5	162.3494	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
14SP	G08_072	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.31601	495.5	162.3494	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
14SP	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.41364	495.5	162.3494	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
14SP	G08_101	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.21465	495.5	162.3494	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
14SP	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.36561	495.5	162.3494	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
14SP	G08_132	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.22279	495.5	162.3494	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
14SP	G08_135	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.19669	495.5	162.3494	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
14SP	G08_136	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.19669	495.5	162.3494	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
14SP	G09_007	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.19669	495.5	162.3494	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
14SP	G09_038	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.22244	495.5	162.3494	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
14SP	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.38193	495.5	162.3494	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'
14SP	G08_135	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	162.2599	'CAPROCK REC-BUCHANAN - CAPROCK REC-LANGE 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	162.2599	'CAPROCK REC-BUCHANAN - CAPROCK REC-LANGE 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.19963	270.7	162.2599	'CAPROCK REC-BUCHANAN - CAPROCK REC-LANGE 138KV CKT 1'
14SP	G08_136	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.46829	346.7	161.3856	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-KOCH - CAPROCK REC-VEALMOOR 138KV CKT 1'	FROM->TO	0.70448	175.5	161.29	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.23141	318.6	160.9235	'BASE CASE'
14SP	G08_132	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.2277	318.6	160.9235	'BASE CASE'
14SP	G09_038	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'	FROM->TO	0.22732	318.6	160.9235	'BASE CASE'
14SP	G08_101	'LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	-0.20723	164.9	160.8958	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.37874	495.6	160.8611	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_072	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.31244	495.6	160.8611	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_093	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.41022	495.6	160.8611	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_101	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.2126	495.6	160.8611	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_102	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.36256	495.6	160.8611	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_132	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.22069	495.6	160.8611	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_135	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.19484	495.6	160.8611	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_136	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.19484	495.6	160.8611	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G09_007	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.19484	495.6	160.8611	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G09_038	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.22034	495.6	160.8611	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G09_039	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.37874	495.6	160.8611	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.30392	270.8	160.5107	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.25167	346.3	160.2812	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_131	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.48914	346.3	160.2812	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_132	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.23954	346.3	160.2812	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G09_001	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	-0.24645	346.3	160.2812	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G09_002	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	-0.24645	346.3	160.2812	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G09_038	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.23896	346.3	160.2812	'SOUTH PLAINS REC-YUMA - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.25066	350.9	159.9585	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_069	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20227	350.9	159.9585	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_072	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20482	350.9	159.9585	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_093	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20489	350.9	159.9585	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_102	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20509	350.9	159.9585	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.34802	350.9	159.9585	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G09_039	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20227	350.9	159.9585	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_067	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.49058	347.1	158.2755	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_069	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.23664	347.1	158.2755	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_072	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.24098	347.1	158.2755	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_093	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.23852	347.1	158.2755	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_101	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.22196	347.1	158.2755	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_102	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.24884	347.1	158.2755	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_120	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	-0.21418	347.1	158.2755	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_131	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.19924	347.1	158.2755	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_132	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.22261	347.1	158.2755	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'

Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G08_135	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.21418	347.1	158.2755	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_136	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.21418	347.1	158.2755	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_007	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.21418	347.1	158.2755	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_038	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.22252	347.1	158.2755	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_039	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.23664	347.1	158.2755	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_001	'JONES_BUS2 6230.00 - LUBBOCK SOUTH INTERCHANGE 230KV CKT 2'	FROM->TO	0.74406	348.7	157.6905	'JONES STATION - JONES_BUS2 6230.00 230KV CKT 1'
14SP	G09_002	'JONES_BUS2 6230.00 - LUBBOCK SOUTH INTERCHANGE 230KV CKT 2'	FROM->TO	0.74406	348.7	157.6905	'JONES STATION - JONES_BUS2 6230.00 230KV CKT 1'
14SP	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.25074	350.9	157.6833	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_069	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20235	350.9	157.6833	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_072	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20489	350.9	157.6833	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_093	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20497	350.9	157.6833	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_102	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20517	350.9	157.6833	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.3481	350.9	157.6833	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_039	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20235	350.9	157.6833	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_101	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19839	350.3	157.6151	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_131	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.47724	350.3	157.6151	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_132	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	157.6151	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_135	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	157.6151	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_136	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	157.6151	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_001	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.21207	350.3	157.6151	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_002	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.21207	350.3	157.6151	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_007	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	157.6151	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_038	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	157.6151	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.22272	351	157.5402	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_072	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.19009	351	157.5402	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	-0.32395	351	157.5402	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_093	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.19042	351	157.5402	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_102	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.1903	351	157.5402	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.31354	351	157.5402	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - COULTER INTERCHANGE 115KV CKT 1'	FROM->TO	0.2658	159.6	157.3332	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.22428	350.7	157.12	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.21704	350.7	157.12	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.21683	350.7	157.12	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_131	'JONES STATION - LUBBOCK SOUTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.28121	348.7	157.0874	'JONES STATION - JONES_BUS2 6230.00 230KV CKT 1'
14SP	G08_135	'JONES STATION - LUBBOCK SOUTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21219	348.7	157.0874	'JONES STATION - JONES_BUS2 6230.00 230KV CKT 1'
14SP	G08_136	'JONES STATION - LUBBOCK SOUTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21219	348.7	157.0874	'JONES STATION - JONES_BUS2 6230.00 230KV CKT 1'
14SP	G09_001	'JONES STATION - LUBBOCK SOUTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.40829	348.7	157.0874	'JONES STATION - JONES_BUS2 6230.00 230KV CKT 1'
14SP	G09_002	'JONES STATION - LUBBOCK SOUTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.40829	348.7	157.0874	'JONES STATION - JONES_BUS2 6230.00 230KV CKT 1'
14SP	G09_007	'JONES STATION - LUBBOCK SOUTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21219	348.7	157.0874	'JONES STATION - JONES_BUS2 6230.00 230KV CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	1	350.3	156.9512	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_101	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19839	350.3	156.1878	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_131	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.47724	350.3	156.1878	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_132	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	156.1878	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_135	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	156.1878	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_136	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	156.1878	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G09_001	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.21207	350.3	156.1878	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G09_002	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.21207	350.3	156.1878	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G09_007	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	156.1878	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G09_038	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	156.1878	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_135	'CAPROCK REC-KOCH - CAPROCK REC-REED 138KV CKT 1'	TO->FROM	0.70448	175.6	155.2271	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.22496	208	154.1863	'BASE CASE'
14SP	G08_101	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.25167	346.3	154.0727	'DOUD SUB - SOUTH PLAINS REC-YUMA 115KV CKT 1'
14SP	G08_131	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.48914	346.3	154.0727	'DOUD SUB - SOUTH PLAINS REC-YUMA 115KV CKT 1'
14SP	G08_132	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.23954	346.3	154.0727	'DOUD SUB - SOUTH PLAINS REC-YUMA 115KV CKT 1'
14SP	G09_001	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	-0.24645	346.3	154.0727	'DOUD SUB - SOUTH PLAINS REC-YUMA 115KV CKT 1'
14SP	G09_002	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	-0.24645	346.3	154.0727	'DOUD SUB - SOUTH PLAINS REC-YUMA 115KV CKT 1'
14SP	G09_038	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.23896	346.3	154.0727	'DOUD SUB - SOUTH PLAINS REC-YUMA 115KV CKT 1'
14SP	G08_101	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19839	350.3	153.904	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_131	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.47724	350.3	153.904	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_132	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	153.904	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_135	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	153.904	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_136	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	153.904	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G09_001	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.21207	350.3	153.904	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G09_002	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.21207	350.3	153.904	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G09_007	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	153.904	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'



## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G09_038	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	153.904	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_135	'CAPROCK REC-KOCH - CAPROCK REC-VEALMOOR 138KV CKT 1'	FROM->TO	0.70448	175.5	153.6632	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	1	350.3	153.497	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.30392	271	153.086	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.22381	351	152.6745	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_069	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.19256	351	152.6745	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_072	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.19543	351	152.6745	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	-0.32457	351	152.6745	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_093	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.19706	351	152.6745	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_102	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.19501	351	152.6745	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.31445	351	152.6745	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_039	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.19256	351	152.6745	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.30392	166.2	151.9032	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_067	'CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1'	FROM->TO	0.24572	98.9	151.6922	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_135	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	1	350.3	151.5273	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.23265	318.9	151.2841	'BASE CASE'
14SP	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.33159	318.9	151.2841	'BASE CASE'
14SP	G09_007	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.30392	192.6	151.1713	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'HOBBS_INT 3 115.00 - LEA COUNTY INTERCHANGE 115KV CKT 1'	FROM->TO	0.24057	250.5	151.052	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.28796	350.9	150.9545	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_069	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19365	350.9	150.9545	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_072	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19678	350.9	150.9545	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_093	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19653	350.9	150.9545	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_102	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19866	350.9	150.9545	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.34365	350.9	150.9545	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G09_039	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19365	350.9	150.9545	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.236	350.9	150.8723	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.33425	350.9	150.8723	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_067	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.28796	350.9	150.2135	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_069	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19365	350.9	150.2135	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_072	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19678	350.9	150.2135	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_093	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19653	350.9	150.2135	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_102	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19866	350.9	150.2135	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_120	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.34365	350.9	150.2135	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G09_039	'G06-39T 230.00 - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19365	350.9	150.2135	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_102	'EDDY COUNTY INTERCHANGE - TWEEDY SUB 115KV CKT 1'	FROM->TO	-0.19772	159.8	150.1745	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.2149	346.3	149.9959	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_131	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.41591	346.3	149.9959	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_132	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21142	346.3	149.9959	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_135	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21147	346.3	149.9959	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_136	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21147	346.3	149.9959	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_001	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	-0.27698	346.3	149.9959	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_002	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	-0.27698	346.3	149.9959	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_007	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21147	346.3	149.9959	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_038	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21147	346.3	149.9959	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_101	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.2149	346.3	149.9382	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_131	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.41591	346.3	149.9382	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_132	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21142	346.3	149.9382	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_135	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21147	346.3	149.9382	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_136	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21147	346.3	149.9382	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G09_001	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	-0.27698	346.3	149.9382	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G09_002	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	-0.27698	346.3	149.9382	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G09_007	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21147	346.3	149.9382	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G09_038	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.21147	346.3	149.9382	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_067	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.49021	347.1	149.8399	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_069	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.23927	347.1	149.8399	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_072	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.24484	347.1	149.8399	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_093	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.2439	347.1	149.8399	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_101	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.20955	347.1	149.8399	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_102	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.25194	347.1	149.8399	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_120	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	-0.21448	347.1	149.8399	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_132	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.21076	347.1	149.8399	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_135	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.19527	347.1	149.8399	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_136	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.19527	347.1	149.8399	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_007	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.19527	347.1	149.8399	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G09_038	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.21059	347.1	149.8399	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_039	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.23927	347.1	149.8399	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_135	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.30392	192.6	148.1732	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_077	'BRANTLEY - DURHAM 138KV CKT 1'	TO->FROM	1	129.8	148.074	'ERICK - SWEETWATER 138KV CKT 1'
14SP	G08_135	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	1	350.3	148.0731	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_077	'ERICK - SWEETWATER 138KV CKT 1'	TO->FROM	1	129.9	147.96	'BRANTLEY - DURHAM 138KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.2658	170.3	147.9177	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	1	350.3	147.8447	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-LANGE - CAPROCK REC-ST LAWRENCE 138KV CKT 1'	TO->FROM	0.29552	175.8	147.635	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.25167	346.3	147.3444	'CARLISLE INTERCHANGE - DOUD SUB 115KV CKT 1'
14SP	G08_131	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.48914	346.3	147.3444	'CARLISLE INTERCHANGE - DOUD SUB 115KV CKT 1'
14SP	G08_132	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.23954	346.3	147.3444	'CARLISLE INTERCHANGE - DOUD SUB 115KV CKT 1'
14SP	G09_001	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	-0.24645	346.3	147.3444	'CARLISLE INTERCHANGE - DOUD SUB 115KV CKT 1'
14SP	G09_002	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	-0.24645	346.3	147.3444	'CARLISLE INTERCHANGE - DOUD SUB 115KV CKT 1'
14SP	G09_038	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	TO->FROM	0.23896	346.3	147.3444	'CARLISLE INTERCHANGE - DOUD SUB 115KV CKT 1'
14SP	G08_131	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.52292	350.4	146.9512	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G09_001	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.20509	350.4	146.9512	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G09_002	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.20509	350.4	146.9512	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G08_136	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.40362	346.7	146.941	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_077	'ERICK - SWEETWATER 138KV CKT 1'	TO->FROM	1	129.9	146.973	'BRANTLEY - MORWOOD 138KV CKT 1'
14SP	G08_077	'ERICK - SWEETWATER 138KV CKT 1'	TO->FROM	1	129.9	146.973	'MOREWOOD SW - MORWOOD 138KV CKT 1'
14SP	G08_131	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.52292	350.4	145.8096	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G09_001	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.20509	350.4	145.8096	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G09_002	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.20509	350.4	145.8096	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G08_136	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.40362	346.7	145.6142	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.42795	476.6	145.2279	'BASE CASE'
14SP	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.43659	476.6	145.2279	'BASE CASE'
14SP	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.47792	476.6	145.2279	'BASE CASE'
14SP	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.25561	476.6	145.2279	'BASE CASE'
14SP	G08_132	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.25971	476.6	145.2279	'BASE CASE'
14SP	G08_135	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.22059	476.6	145.2279	'BASE CASE'
14SP	G08_136	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.22059	476.6	145.2279	'BASE CASE'
14SP	G09_007	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.22059	476.6	145.2279	'BASE CASE'
14SP	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.25929	476.6	145.2279	'BASE CASE'
14SP	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.42795	476.6	145.2279	'BASE CASE'
14SP	G08_101	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.22428	350.7	145.1154	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_132	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.21704	350.7	145.1154	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G09_038	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.21683	350.7	145.1154	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_131	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.52292	350.4	145.0961	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'
14SP	G09_001	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.20509	350.4	145.0961	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'
14SP	G09_002	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.20509	350.4	145.0961	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'
14SP	G08_136	'HOBBS_INT 6 230.00 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.19536	149.1	144.9848	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.21727	351	144.9009	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	-0.32457	351	144.9009	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.31022	351	144.9009	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G09_044S	'HALE CO INTERCHANGE - KRESS INTERCHANGE 115KV CKT 1'	FROM->TO	-0.27433	118.2	144.302	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_135	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.27179	350.9	144.0545	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.27179	350.9	144.0545	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.27179	350.9	144.0545	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.22115	513.9	143.8165	'BASE CASE'
14SP	G08_069	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2'	FROM->TO	0.22115	513.9	143.8165	'BASE CASE'
14SP	G08_072	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21786	513.9	143.8165	'BASE CASE'
14SP	G08_072	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2'	FROM->TO	0.21786	513.9	143.8165	'BASE CASE'
14SP	G08_093	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21942	513.9	143.8165	'BASE CASE'
14SP	G08_093	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2'	FROM->TO	0.21942	513.9	143.8165	'BASE CASE'
14SP	G08_101	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.23171	513.9	143.8165	'BASE CASE'
14SP	G08_101	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2'	FROM->TO	0.23171	513.9	143.8165	'BASE CASE'
14SP	G08_102	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.2179	513.9	143.8165	'BASE CASE'
14SP	G08_102	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2'	FROM->TO	0.2179	513.9	143.8165	'BASE CASE'
14SP	G08_131	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.24696	513.9	143.8165	'BASE CASE'
14SP	G08_131	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2'	FROM->TO	0.24696	513.9	143.8165	'BASE CASE'
14SP	G08_132	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.23132	513.9	143.8165	'BASE CASE'
14SP	G08_132	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2'	FROM->TO	0.23132	513.9	143.8165	'BASE CASE'
14SP	G08_135	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.23727	513.9	143.8165	'BASE CASE'
14SP	G08_135	'TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2'	FROM->TO	0.23727	513.9	143.8165	'BASE CASE'























## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.25727	351	139.4095	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	-0.33456	351	139.4095	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.30841	351	139.4095	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_136	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.3841	351	139.3488	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_135	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.22496	167.5	139.1963	'BASE CASE'
14SP	G09_044S	'HALE CO INTERCHANGE - KRESS INTERCHANGE 115KV CKT 1'	FROM->TO	-0.28138	118.2	138.9361	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
14SP	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.25727	351	138.6687	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	-0.33456	351	138.6687	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.30841	351	138.6687	'DAWN SUB - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.2021	319	138.6105	'BASE CASE'
14SP	G08_084	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	-0.33684	319	138.6105	'BASE CASE'
14SP	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.29638	319	138.6105	'BASE CASE'
14SP	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.43749	616	138.5603	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.44052	616	138.5603	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.48534	616	138.5603	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.27437	616	138.5603	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_132	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28113	616	138.5603	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_135	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28104	616	138.5603	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_136	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28104	616	138.5603	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G09_007	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28104	616	138.5603	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28104	616	138.5603	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.43749	616	138.5603	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.25727	351	138.2413	'CANYON WEST SUB - DAWN SUB 115KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	-0.33456	351	138.2413	'CANYON WEST SUB - DAWN SUB 115KV CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.30841	351	138.2413	'CANYON WEST SUB - DAWN SUB 115KV CKT 1'
14SP	G08_067	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.20512	351	138.0364	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	-0.33538	351	138.0364	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - G06-39T 230.00 230KV CKT 1'	TO->FROM	0.29877	351	138.0364	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.31836	346.7	138.0023	'CUNNINGHAM STATION 230/20.0KV TRANSFORMER CKT 1'
14SP	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.45008	616	137.6499	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.44068	616	137.6499	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.49398	616	137.6499	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.3111	616	137.6499	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.31431	616	137.6499	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.2643	616	137.6499	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.2643	616	137.6499	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.2643	616	137.6499	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.3138	616	137.6499	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.45008	616	137.6499	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1'	FROM->TO	-0.21215	166.2	137.5172	'HOBBS_INT 6 230.00 230/115KV TRANSFORMER CKT 1'
14SP	G08_136	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.24943	270.8	136.8149	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19839	350.3	136.7046	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_131	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.47724	350.3	136.7046	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_132	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	136.7046	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_135	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	136.7046	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_136	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	136.7046	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_001	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.21207	350.3	136.7046	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_002	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.21207	350.3	136.7046	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_007	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	136.7046	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_038	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	136.7046	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_101	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19839	350.3	136.6475	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_131	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.47724	350.3	136.6475	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_132	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	136.6475	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_135	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	136.6475	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_136	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	136.6475	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G09_001	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.21207	350.3	136.6475	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G09_002	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.21207	350.3	136.6475	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G09_007	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	136.6475	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G09_038	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.19892	350.3	136.6475	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G09_044S	'KRESS INTERCHANGE - TULIA TAP 115KV CKT 1'	FROM->TO	-0.66021	97.5	135.8732	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_044S	'HALE CO INTERCHANGE - KRESS INTERCHANGE 115KV CKT 1'	FROM->TO	-0.27975	118.2	135.8628	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G09_044S	'HALE CO INTERCHANGE - KRESS INTERCHANGE 115KV CKT 1'	FROM->TO	-0.54185	118.2	135.3685	'KRESS INTERCHANGE - SWISHER COUNTY INTERCHANGE 115KV CKT 1'
14SP	G09_044S	'HALE CO INTERCHANGE - KRESS INTERCHANGE 115KV CKT 1'	FROM->TO	-0.54185	118.2	135.3685	'SWISHER COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.8845	501.3	135.004	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.19963	175.6	134.2295	'CAPROCK REC-MCDONALD - CR-1956 4138.00 138KV CKT 1'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G08_077	'BRANTLEY - DURHAM 138KV CKT 1'	TO->FROM	1	129.8	134.1294	'FALCON ROAD - SAYRE 138KV CKT 1'
14SP	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.4479	616	134.1182	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.45361	616	134.1182	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.49605	616	134.1182	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28544	616	134.1182	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_132	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.2895	616	134.1182	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_135	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.25774	616	134.1182	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_136	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.25774	616	134.1182	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_007	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.25774	616	134.1182	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28914	616	134.1182	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.4479	616	134.1182	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_101	'LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	-0.21833	164.9	134.0592	'BASE CASE'
14SP	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.29491	495.5	133.9883	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_072	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.261	495.5	133.9883	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.31711	495.5	133.9883	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.28526	495.5	133.9883	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.29491	495.5	133.9883	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_044S	'HALE CO INTERCHANGE - KRESS INTERCHANGE 115KV CKT 1'	FROM->TO	-0.28135	118.2	133.7437	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G09_044S	'HALE CO INTERCHANGE - KRESS INTERCHANGE 115KV CKT 1'	FROM->TO	-0.28226	118.2	133.7057	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_135	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.22316	350.9	133.5126	'GRASSLAND INTERCHANGE 230/115KV TRANSFORMER CKT 1'
14SP	G08_136	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.22316	350.9	133.5126	'GRASSLAND INTERCHANGE 230/115KV TRANSFORMER CKT 1'
14SP	G09_007	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.22316	350.9	133.5126	'GRASSLAND INTERCHANGE 230/115KV TRANSFORMER CKT 1'
14SP	G08_101	'CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1'	FROM->TO	-0.22227	166.2	133.3599	'LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
14SP	G08_136	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.23569	270.8	133.162	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.8845	501.3	132.8695	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_131	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.52303	318.3	132.5851	'BASE CASE'
14SP	G09_001	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.20006	318.3	132.5851	'BASE CASE'
14SP	G09_002	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.20006	318.3	132.5851	'BASE CASE'
14SP	G08_069	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.1977	347.1	132.3512	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'
14SP	G08_072	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.20886	347.1	132.3512	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'
14SP	G08_093	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.20125	347.1	132.3512	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'
14SP	G08_102	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.19147	347.1	132.3512	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'
14SP	G08_120	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	-0.20477	347.1	132.3512	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'
14SP	G09_039	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.1977	347.1	132.3512	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'
14SP	G09_007	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.24943	192.6	132.3398	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.45008	616	132.309	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.44068	616	132.309	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.49398	616	132.309	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.3111	616	132.309	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_132	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.31431	616	132.309	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_135	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.2643	616	132.309	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_136	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.2643	616	132.309	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G09_007	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.2643	616	132.309	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.3138	616	132.309	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.45008	616	132.309	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.19963	175.6	132.2364	'CAPROCK REC-NEW SCHWARTZ - CR-1956 4138.00 138KV CKT 1'
14SP	G08_101	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.1983	350.7	132.1559	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G08_132	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.19536	350.7	132.1559	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G09_038	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.19517	350.7	132.1559	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G08_101	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.1983	350.7	132.1274	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_132	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.19536	350.7	132.1274	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_038	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.19517	350.7	132.1274	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.43749	616	132.1266	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.44052	616	132.1266	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.48534	616	132.1266	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.27437	616	132.1266	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_132	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28113	616	132.1266	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_135	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28104	616	132.1266	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_136	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28104	616	132.1266	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_007	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28104	616	132.1266	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.28104	616	132.1266	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.43749	616	132.1266	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_069	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.27086	350.7	131.9309	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G08_093	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.27086	350.7	131.9309	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G08_102	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	-0.25077	350.7	131.9309	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'

Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G09_039	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.27086	350.7	131.9309	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G08_069	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.27086	350.7	131.9024	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_093	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.27086	350.7	131.9024	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_102	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	-0.25077	350.7	131.9024	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_039	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.27086	350.7	131.9024	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_136	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.38049	351	131.6753	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.8845	501.3	131.6516	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_136	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.23833	270.8	131.5386	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.23285	270.8	131.1989	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.23285	270.8	131.1989	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_072	'PLANT X STATION 230/115KV TRANSFORMER CKT 1'	FROM->TO	-0.3679	231.4	131.1863	'LAMB COUNTY INTERCHANGE - TOLK STATION WEST 230KV CKT 1'
14SP	G08_072	'LAMB COUNTY INTERCHANGE - TOLK STATION WEST 230KV CKT 1'	FROM->TO	1	228.6	131.1461	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'
14SP	G08_136	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.23059	270.8	130.8665	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_007	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.23569	192.6	130.8564	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.23118	270.8	130.3224	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_044S	'HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1'	TO->FROM	0.33979	97.9	130.2997	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_131	'WOLFFORTH INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.28294	190.5	130.2407	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.23569	270.8	130.1709	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_067	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.46443	314.7	129.9064	'BASE CASE'
14SP	G08_069	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.19688	314.7	129.9064	'BASE CASE'
14SP	G08_072	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.20195	314.7	129.9064	'BASE CASE'
14SP	G08_093	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.19914	314.7	129.9064	'BASE CASE'
14SP	G08_102	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.2098	314.7	129.9064	'BASE CASE'
14SP	G08_120	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	-0.23595	314.7	129.9064	'BASE CASE'
14SP	G09_039	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'	FROM->TO	0.19688	314.7	129.9064	'BASE CASE'
14SP	G08_135	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.24943	192.6	129.8792	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_072	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	1	231.2	129.6713	'LAMB COUNTY INTERCHANGE - TOLK STATION WEST 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.2141	175.6	129.655	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.8845	501.3	129.5172	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.24943	271	129.4076	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.8845	501.3	129.3786	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_136	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.25262	350.2	129.2069	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_007	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.23059	192.6	128.9847	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_007	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.23285	192.6	128.8512	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G09_007	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.23285	192.6	128.8512	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_135	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.23569	192.6	128.5313	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.28357	495.6	128.4562	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_072	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.24638	495.6	128.4562	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_093	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.3051	495.6	128.4562	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_102	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.27436	495.6	128.4562	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_039	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.28357	495.6	128.4562	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_101	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.23812	350.3	128.4492	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_131	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.47237	350.3	128.4492	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_132	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.22854	350.3	128.4492	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G09_001	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.22064	350.3	128.4492	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G09_002	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.22064	350.3	128.4492	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G09_038	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	0.22798	350.3	128.4492	'TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1'
14SP	G08_069	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.68298	554.7	128.2395	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_093	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.79265	554.7	128.2395	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.26071	554.7	128.2395	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.29836	554.7	128.2395	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25193	554.7	128.2395	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25193	554.7	128.2395	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25193	554.7	128.2395	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.29741	554.7	128.2395	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_039	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.68298	554.7	128.2395	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.68298	555	128.1522	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_093	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.79265	555	128.1522	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.26071	555	128.1522	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.29836	555	128.1522	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25193	555	128.1522	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25193	555	128.1522	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25193	555	128.1522	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.29741	555	128.1522	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_039	'TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.68298	555	128.1522	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'

Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G08_136	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.25262	350.2	128.1218	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_101	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.19838	350.7	127.9099	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
14SP	G08_132	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.19544	350.7	127.9099	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
14SP	G09_038	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.19525	350.7	127.9099	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
14SP	G08_135	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.23059	192.6	126.7099	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_135	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.23285	192.6	126.5542	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_135	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.23285	192.6	126.5542	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_069	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.27096	350.7	126.3879	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
14SP	G08_102	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	-0.25067	350.7	126.3879	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
14SP	G09_039	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.27096	350.7	126.3879	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
14SP	G08_136	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.25262	350.2	126.3799	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-KOCH - CAPROCK REC-REED 138KV CKT 1'	TO->FROM	0.19963	175.6	126.086	'CAPROCK REC-MCDONALD - CR-1956 4138.00 138KV CKT 1'
14SP	G08_135	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.8845	501.3	126.0262	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.23569	271	125.7944	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.40362	346.7	125.7123	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_136	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.40362	346.7	125.6546	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.20231	350.8	125.6138	'CUNNINGHAM STATION - POTASH JUNCTION INTERCHANGE 230KV CKT 1'
14SP	G09_007	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.19963	192.6	125.4395	'CAPROCK REC-RUSSEL TAP - CAPROCK REC-VEALMOOR 138KV CKT 1'
14SP	G08_067	'CARGILL SUB - FRIONA SUB 115KV CKT 1'	FROM->TO	-0.42504	96	125.1075	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'
14SP	G08_067	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19191	350.6	125.161	'BUSHLAND INTERCHANGE 230/115KV TRANSFORMER CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.62289	350.6	125.161	'BUSHLAND INTERCHANGE 230/115KV TRANSFORMER CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.27588	350.6	125.161	'BUSHLAND INTERCHANGE 230/115KV TRANSFORMER CKT 1'
14SP	G08_101	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.19838	350.7	125.0665	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_101	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.19838	350.7	125.0665	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
14SP	G08_132	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.19544	350.7	125.0665	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_132	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.19544	350.7	125.0665	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
14SP	G09_038	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.19525	350.7	125.0665	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_038	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.19525	350.7	125.0665	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
14SP	G08_067	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19191	350.6	124.9899	'BUSHLAND INTERCHANGE - COULTER INTERCHANGE 115KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.62289	350.6	124.9899	'BUSHLAND INTERCHANGE - COULTER INTERCHANGE 115KV CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.27588	350.6	124.9899	'BUSHLAND INTERCHANGE - COULTER INTERCHANGE 115KV CKT 1'
14SP	G08_067	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.27875	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_069	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23123	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_072	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23376	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_084	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.31535	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_093	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23259	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_101	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.22295	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_102	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23373	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_109	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	-0.29624	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_120	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.29604	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_131	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.211	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_132	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.22325	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_135	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21859	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_136	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21859	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_001	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.1947	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_002	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.1947	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_007	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21859	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_023S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.37868	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_024S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.37868	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_033	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.56178	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_038	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2232	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_039	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23123	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_041	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.54756	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_044S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.25324	557.8	124.773	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_067	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.27875	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_069	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23123	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_072	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23376	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_084	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.31535	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_093	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23259	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_101	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.22295	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_102	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23373	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_109	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	-0.29624	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_120	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.29604	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_131	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.211	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_132	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.22325	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'



## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G08_135	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21859	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_136	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21859	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_001	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.1947	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_002	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.1947	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_007	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21859	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_023S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.37868	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_024S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.37868	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_033	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.56178	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_038	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2232	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_039	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23123	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_041	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.54756	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G09_044S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.25324	558.1	124.7059	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_136	'CAPROCK REC-KOCH - CAPROCK REC-VEALMOOR 138KV CKT 1'	FROM->TO	0.19963	175.5	124.5624	'CAPROCK REC-MCDONALD - CR-1956 4138.00 138KV CKT 1'
14SP	G08_136	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.31836	346.7	124.4201	'CUNNINGHAM STATION 230/13.8KV TRANSFORMER CKT 1'
14SP	G09_007	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.19963	192.6	124.2453	'CAPROCK REC-BUCHANAN - CAPROCK REC-RUSSEL TAP 138KV CKT 1'
14SP	G08_101	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.2149	346.3	124.213	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_131	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.41591	346.3	124.213	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.21142	346.3	124.213	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.26988	346.3	124.213	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.26988	346.3	124.213	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_001	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.27698	346.3	124.213	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_002	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.27698	346.3	124.213	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	0.26988	346.3	124.213	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1'	FROM->TO	-0.21147	346.3	124.213	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.23833	271	124.1721	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-KOCH - CAPROCK REC-REED 138KV CKT 1'	TO->FROM	0.19963	175.5	124.0928	'CAPROCK REC-NEW SCHWARTZ - CR-1956 4138.00 138KV CKT 1'
14SP	G08_135	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.22303	350.9	124.0904	'GRASSLAND INTERCHANGE - LYNN COUNTY INTERCHANGE 115KV CKT 1'
14SP	G08_136	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.22303	350.9	124.0904	'GRASSLAND INTERCHANGE - LYNN COUNTY INTERCHANGE 115KV CKT 1'
14SP	G09_007	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.22303	350.9	124.0904	'GRASSLAND INTERCHANGE - LYNN COUNTY INTERCHANGE 115KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.19963	175.5	123.979	'CAPROCK REC-NEW SCHWARTZ - CAPROCK REC-PEMBROOK 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.23285	271	123.8327	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.23285	271	123.8327	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_069	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.40866	616	123.7935	'G05-10T 230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 2'
14SP	G08_072	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.45403	616	123.7935	'G05-10T 230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 2'
14SP	G08_093	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.47462	616	123.7935	'G05-10T 230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 2'
14SP	G08_101	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.22731	616	123.7935	'G05-10T 230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 2'
14SP	G08_132	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.22902	616	123.7935	'G05-10T 230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 2'
14SP	G08_135	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.19528	616	123.7935	'G05-10T 230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 2'
14SP	G08_136	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.19528	616	123.7935	'G05-10T 230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 2'
14SP	G09_007	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.19528	616	123.7935	'G05-10T 230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 2'
14SP	G09_038	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.22868	616	123.7935	'G05-10T 230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 2'
14SP	G09_039	'TOLK STATION EAST - TOLK STATION TAP 230KV CKT 1'	TO->FROM	0.40866	616	123.7935	'G05-10T 230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 2'
14SP	G08_136	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.34675	346.7	123.7809	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.23059	271	123.5006	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_135	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	FROM->TO	0.19963	192.6	123.4702	'CAPROCK REC-RUSSEL TAP - CAPROCK REC-VEALMOOR 138KV CKT 1'
14SP	G08_077	'BECKHAM CO 230.00 - ELK CITY 230KV 230KV CKT 1'	FROM->TO	-0.31697	351	123.1427	'ANADARK7 345.00 - MIDPT_BUS 7 345.00 345KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.23118	271	122.9569	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'	TO->FROM	0.23569	271	122.8055	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_102	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	-0.25067	350.7	122.6407	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_102	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	-0.25067	350.7	122.6407	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
14SP	G08_136	'CAPROCK REC-KOCH - CAPROCK REC-VEALMOOR 138KV CKT 1'	FROM->TO	0.19963	175.5	122.5111	'CAPROCK REC-NEW SCHWARTZ - CR-1956 4138.00 138KV CKT 1'
14SP	G08_069	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	TO->FROM	0.31308	350.7	122.4796	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G08_069	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	TO->FROM	0.31308	350.7	122.4796	'TOLK STATION (ABBXL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_093	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	TO->FROM	0.31308	350.7	122.4796	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G08_093	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	TO->FROM	0.31308	350.7	122.4796	'TOLK STATION (ABBXL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_102	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	TO->FROM	0.68121	350.7	122.4796	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G08_102	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	TO->FROM	0.68121	350.7	122.4796	'TOLK STATION (ABBXL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_039	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	TO->FROM	0.31308	350.7	122.4796	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G09_039	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	TO->FROM	0.31308	350.7	122.4796	'TOLK STATION (ABBXL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_067	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.27483	558.6	122.3771	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_067	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.27483	558.6	122.3771	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_069	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.22762	558.6	122.3771	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_069	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.22762	558.6	122.3771	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_072	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.23015	558.6	122.3771	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_072	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.23015	558.6	122.3771	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'



Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G09_044S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.25375	557.8	121.387	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_136	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.32597	351	121.3334	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_067	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.27926	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_069	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23173	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_072	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23427	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_084	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.31585	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_093	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23309	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_101	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.22345	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_102	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23424	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_109	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	-0.29574	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_120	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.29654	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_131	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21151	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_132	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.22375	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_135	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2191	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_136	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2191	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G09_001	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.1952	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G09_002	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.1952	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G09_007	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2191	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G09_023S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.37919	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G09_024S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.37919	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G09_033	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.56228	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G09_038	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.22371	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G09_039	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23173	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G09_041	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.54806	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G09_044S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.25375	558.1	121.3217	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.19963	175.6	120.7329	'CAPROCK REC-PEMBROOK - G09-17T 138.00 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.19963	175.6	120.7329	'CAPROCK REC-STILES - G09-17T 138.00 138KV CKT 1'
14SP	G08_136	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.3841	351	120.3174	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_044S	'KRESS INTERCHANGE - TULIA TAP 115KV CKT 1'	FROM->TO	-0.64718	97.5	120.287	'AMARILLO SOUTH INTERCHANGE - G07-48T 230.00 230KV CKT 1'
14SP	G08_077	'BRANTLEY - DURHAM 138KV CKT 1'	TO->FROM	1	129.8	120.2619	'ELK CITY - FALCON ROAD 138KV CKT 1'
14SP	G08_136	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.3841	351	120.2605	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_077	'BRANTLEY - MORWOOD 138KV CKT 1'	FROM->TO	1	178.8	120.1902	'DURHAM - SWEETWATER 138KV CKT 1'
14SP	G08_077	'MOREWOOD SW - MORWOOD 138KV CKT 1'	TO->FROM	1	178.8	120.1902	'DURHAM - SWEETWATER 138KV CKT 1'
14SP	G08_136	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.35408	346.7	119.9403	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G08_067	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'	FROM->TO	-0.8234	160	119.9306	'CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1'
14SP	G08_136	'CAPROCK REC-KOCH - CAPROCK REC-VEALMOOR 138KV CKT 1'	FROM->TO	0.2141	175.5	119.9283	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.22301	350.9	119.8485	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.22301	350.9	119.8485	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.22301	350.9	119.8485	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-NEW SCHWARTZ - CR-1956 4138.00 138KV CKT 1'	TO->FROM	0.29552	271	119.5728	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.31836	314.3	119.5668	'BASE CASE'
14SP	G08_132	'PECOS INTERCHANGE - POTASH JUNCTION INTERCHANGE 230KV CKT 1'	TO->FROM	0.19258	541	119.5381	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'PECOS INTERCHANGE - POTASH JUNCTION INTERCHANGE 230KV CKT 1'	TO->FROM	0.1919	541	119.5381	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_072	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.50739	495.5	118.9648	'TOLK STATION TAP - TOLK STATION WEST 230KV CKT 1'
14SP	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.23222	495.5	118.9648	'TOLK STATION TAP - TOLK STATION WEST 230KV CKT 1'
14SP	G08_067	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'	FROM->TO	-0.61895	160	118.922	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_135	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'	FROM->TO	0.30392	525.7	118.5359	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'	FROM->TO	0.30392	525.7	118.5359	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'	FROM->TO	0.30392	525.7	118.5359	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_077	'ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.31697	365	118.4194	'ANADARK7 345.00 - MIDPT_BUS 7 345.00 345KV CKT 1'
14SP	G08_077	'ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.31697	365	118.3921	'ANADARK7 345.00 - MIDPT_BUS 7 345.00 345KV CKT 1'
14SP	G08_067	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.27926	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_069	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23173	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_072	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23427	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_084	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.31585	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_093	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23309	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_101	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.22345	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_102	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23424	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_109	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	-0.29574	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_120	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.29654	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_131	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21151	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_132	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.22375	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_135	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2191	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_136	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2191	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_001	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.1952	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G09_002	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.1952	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_007	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2191	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_023S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.37919	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_024S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.37919	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_033	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.56228	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_038	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.22371	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_039	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23173	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_041	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.54806	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_044S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.25375	557.8	117.673	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_067	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.27926	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_069	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23173	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_072	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23427	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_084	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.31585	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_093	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23309	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_101	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.22345	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_102	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23424	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_109	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	-0.29574	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_120	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.29654	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_131	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.21151	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_132	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.22375	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_135	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2191	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_136	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2191	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_001	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.1952	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_002	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.1952	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_007	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.2191	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_023S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.37919	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_024S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.37919	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_033	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.56228	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_038	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.22371	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_039	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.23173	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_041	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.54806	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_044S	'HITCHLAND 7 345.00 ((TUCO CLONE)) 345/230/13.2KV TRANSFORMER CKT 1'	TO->FROM	0.25375	558.1	117.698	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.23314	495.5	117.523	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.24586	495.5	117.523	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.22203	495.5	117.523	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.23314	495.5	117.523	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.70448	270.9	116.8564	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	TO->FROM	0.3132	350.7	115.995	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
14SP	G08_102	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	TO->FROM	0.68133	350.7	115.995	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
14SP	G09_039	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	TO->FROM	0.3132	350.7	115.995	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
14SP	G08_136	'CAPROCK REC-KOCH - CAPROCK REC-REED 138KV CKT 1'	TO->FROM	0.19963	175.6	115.8924	'CAPROCK REC-NEW SCHWARTZ - CAPROCK REC-PEMBROOK 138KV CKT 1'
14SP	G09_044S	'KRESS INTERCHANGE - TULIA TAP 115KV CKT 1'	FROM->TO	-0.66397	97.5	115.8343	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.19963	175.6	115.7785	'CAPROCK REC-ST LAWRENCE - CAPROCK REC-STILES 138KV CKT 1'
14SP	G08_136	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.2917	351	115.5963	'GS-MUSTANG6 230.00 - MUSTANG STATION 230KV CKT 1'
14SP	G08_077	'FALCON ROAD - SAYRE 138KV CKT 1'	TO->FROM	1	150.9	115.3744	'BRANTLEY - DURHAM 138KV CKT 1'
14SP	G08_132	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.55915	346.7	115.3523	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.55443	350.6	115.256	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.25073	350.6	115.256	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.66469	554.7	114.8446	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.78249	554.7	114.8446	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21613	554.7	114.8446	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_132	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.23239	554.7	114.8446	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_135	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.23217	554.7	114.8446	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_136	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.23217	554.7	114.8446	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_007	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.23217	554.7	114.8446	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.23217	554.7	114.8446	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.66469	554.7	114.8446	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_136	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.3209	351	114.8421	'GAINES COUNTY INTERCHANGE - TAYLOR SWITCHING STATION 115KV CKT 1'
14SP	G08_136	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.30834	351	114.8311	'CUNNINGHAM STATION - POTASH JUNCTION INTERCHANGE 230KV CKT 1'
14SP	G09_044S	'HALE CO INTERCHANGE - KRESS INTERCHANGE 115KV CKT 1'	FROM->TO	-0.28235	118.2	114.8198	'BASE CASE'
14SP	G09_044S	'HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1'	TO->FROM	0.35282	97.9	114.7772	'AMARILLO SOUTH INTERCHANGE - G07-48T 230.00 230KV CKT 1'
14SP	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.66469	555	114.7645	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.78249	555	114.7645	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21613	555	114.7645	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_132	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.23239	555	114.7645	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'



## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G09_039	'TOLK STATION (ABBXL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.70137	555	113.4944	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.24943	166.2	113.2339	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_044S	'KRESS INTERCHANGE - TULIA TAP 115KV CKT 1'	FROM->TO	-0.66394	97.5	113.0563	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_102	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	-0.2828	350.7	113.0537	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.22303	350.9	112.6342	'LYNN COUNTY INTERCHANGE - SOUTH PLAINS REC-WOODROW INTERCHANGE 115KV CKT 1'
14SP	G08_136	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.22303	350.9	112.6342	'LYNN COUNTY INTERCHANGE - SOUTH PLAINS REC-WOODROW INTERCHANGE 115KV CKT 1'
14SP	G09_007	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.22303	350.9	112.6342	'LYNN COUNTY INTERCHANGE - SOUTH PLAINS REC-WOODROW INTERCHANGE 115KV CKT 1'
14SP	G08_102	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	-0.34677	350.7	112.6272	'EDDY COUNTY INTERCHANGE - TWEEDY SUB 115KV CKT 1'
14SP	G08_077	'BECKHAM CO 230.00 - ELK CITY 230KV 230KV CKT 1'	FROM->TO	-0.33257	351	112.5977	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_136	'CAPROCK REC-KOCH - CAPROCK REC-REED 138KV CKT 1'	TO->FROM	0.19963	175.6	112.5894	'CAPROCK REC-PEMBROOK - G09-17T 138.00 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-KOCH - CAPROCK REC-REED 138KV CKT 1'	TO->FROM	0.19963	175.6	112.5894	'CAPROCK REC-STILES - G09-17T 138.00 138KV CKT 1'
14SP	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.23314	495.5	112.0538	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.24586	495.5	112.0538	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.22203	495.5	112.0538	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.23314	495.5	112.0538	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_136	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.2917	319	112.033	'BASE CASE'
14SP	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.5562	350.6	111.9696	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24945	350.6	111.9696	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_135	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'	FROM->TO	0.70448	270.9	111.9154	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.25262	350.2	111.8739	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_136	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.25262	350.2	111.8168	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_102	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	TO->FROM	0.68133	350.7	111.6558	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_102	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	TO->FROM	0.68133	350.7	111.6558	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
14SP	G08_077	'BECKHAM CO 230.00 - WHEELER 6 230.00 230KV CKT 1'	TO->FROM	-0.31584	350.8	111.4245	'ANADARK7 345.00 - MIDPT_BUS 7 345.00 345KV CKT 1'
14SP	G08_069	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.22221	495.6	111.379	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_093	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.23461	495.6	111.379	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_102	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.21165	495.6	111.379	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_039	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.22221	495.6	111.379	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-KOCH - CAPROCK REC-VEALMOOR 138KV CKT 1'	FROM->TO	0.19963	175.5	111.0582	'CAPROCK REC-PEMBROOK - G09-17T 138.00 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-KOCH - CAPROCK REC-VEALMOOR 138KV CKT 1'	FROM->TO	0.19963	175.5	111.0582	'CAPROCK REC-STILES - G09-17T 138.00 138KV CKT 1'
14SP	G08_136	'CAPROCK REC-NEW SCHWARTZ - CAPROCK REC-PEMBROOK 138KV CKT 1'	FROM->TO	0.29552	271	111.0119	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.21121	350.9	110.9023	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.21121	350.9	110.9023	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.21121	350.9	110.9023	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.2129	350.9	110.795	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.2129	350.9	110.795	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.2129	350.9	110.795	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.20095	318.9	110.5548	'BASE CASE'
14SP	G08_136	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.20095	318.9	110.5548	'BASE CASE'
14SP	G09_007	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.20095	318.9	110.5548	'BASE CASE'
14SP	G09_044S	'HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1'	TO->FROM	0.33603	97.9	110.391	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_131	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.47708	350.3	110.3556	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G09_001	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.20509	350.3	110.3556	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G09_002	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.20509	350.3	110.3556	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G08_077	'BECKHAM CO 230.00 - ELK CITY 230KV 230KV CKT 1'	FROM->TO	-0.33249	351	110.2542	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.55626	350.6	110.2175	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24951	350.6	110.2175	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_077	'DURHAM - SWEETWATER 138KV CKT 1'	FROM->TO	0.5349	129.8	109.9985	'MOREWOOD SW - RHWIND4 138.00 138KV CKT 1'
14SP	G08_067	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'	FROM->TO	-0.8234	160	109.7431	'DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1'
14SP	G08_136	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.23867	350.2	109.6995	'TOLK STATION WEST - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_102	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	-0.34677	350.7	109.6902	'ROSWELL INTERCHANGE - TWEEDY SUB 115KV CKT 1'
14SP	G08_135	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.2091	350.9	109.6208	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_136	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.2091	350.9	109.6208	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G09_007	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.2091	350.9	109.6208	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'	TO->FROM	0.19963	175.6	109.4573	'CAPROCK REC-LANGE - CAPROCK REC-ST LAWRENCE 138KV CKT 1'
14SP	G09_044S	'KRESS INTERCHANGE - TULIA TAP 115KV CKT 1'	FROM->TO	-0.67028	97.5	109.3931	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
14SP	G08_131	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.47708	350.3	109.2137	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G09_001	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.20509	350.3	109.2137	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G09_002	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.20509	350.3	109.2137	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G08_067	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.22775	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_069	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.30417	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_072	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.30009	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_093	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.30202	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_101	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.31726	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_102	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.30014	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G08_120	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.20249	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_121	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.51195	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_130	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.51195	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_131	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.33616	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_132	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.31678	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_135	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.32415	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_136	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.32415	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_001	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.36197	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_002	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.36197	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_007	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.32415	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_038	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.31686	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_039	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.30417	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_044S	'LAWTON EASTSIDE - OKLAUNION 345KV CKT 1'	TO->FROM	0.26403	1174.1	109.1438	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_044S	'HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1'	TO->FROM	0.35298	97.9	109.1153	'G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_067	'FRIONA SUB - HEREFORD INTERCHANGE 115KV CKT 1'	FROM->TO	-0.42504	96	108.9205	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'
14SP	G09_041	'MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	-0.22929	350.6	108.8787	'G05-17T 345.00 - HITCHLAND 7 345.00 345KV CKT 1'
14SP	G08_135	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.21173	350.9	108.8626	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G08_136	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.21173	350.9	108.8626	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G09_007	'GRASSLAND INTERCHANGE - JONES_BUS2 6230.00 230KV CKT 1'	FROM->TO	0.21173	350.9	108.8626	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G08_136	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.21417	350.8	108.8508	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.70165	554.7	108.5637	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G08_093	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.80029	554.7	108.5637	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G08_101	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25467	554.7	108.5637	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G08_132	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.27208	554.7	108.5637	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G08_135	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.2318	554.7	108.5637	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G08_136	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.2318	554.7	108.5637	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G09_007	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.2318	554.7	108.5637	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G09_038	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.27147	554.7	108.5637	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G09_039	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.70165	554.7	108.5637	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G08_136	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.20118	350.2	108.5246	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_131	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.47708	350.3	108.5	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'
14SP	G09_001	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.20509	350.3	108.5	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'
14SP	G09_002	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'	TO->FROM	-0.20509	350.3	108.5	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.22496	207.7	108.4873	'BASE CASE'
14SP	G08_069	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.70165	555	108.487	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G08_093	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.80029	555	108.487	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G08_101	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25467	555	108.487	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G08_132	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.27208	555	108.487	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G08_135	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.2318	555	108.487	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G08_136	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.2318	555	108.487	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G09_007	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.2318	555	108.487	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G09_038	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.27147	555	108.487	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G09_039	'TOLK STATION (ABXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.70165	555	108.487	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'
14SP	G09_044S	'SWISHER COUNTY INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1'	TO->FROM	-0.20081	348.7	108.4298	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_077	'ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.33257	365	108.2789	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_077	'ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.33257	365	108.2515	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_069	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	-0.31666	555.4	108.1916	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_093	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	-0.20699	555.4	108.1916	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.26106	555.4	108.1916	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.29871	555.4	108.1916	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25228	555.4	108.1916	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25228	555.4	108.1916	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25228	555.4	108.1916	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.29776	555.4	108.1916	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_039	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	-0.31666	555.4	108.1916	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	-0.31666	555.8	108.1497	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_093	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	-0.20699	555.8	108.1497	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.26106	555.8	108.1497	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.29871	555.8	108.1497	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25228	555.8	108.1497	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25228	555.8	108.1497	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.25228	555.8	108.1497	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.29776	555.8	108.1497	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_039	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	-0.31666	555.8	108.1497	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.19371	350.2	108.0868	'LEA COUNTY REC-PLAINS INTERCHANGE - YOAKUM COUNTY INTERCHANGE 115KV CKT 1'





## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.23664	495.5	107.1153	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.68474	435.2	107.0788	'BASE CASE'
14SP	G08_067	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'	FROM->TO	-0.8234	160	107.0556	'G08-052T 115.00 - PARMER COUNTY SUB 115KV CKT 1'
14SP	G08_067	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'	FROM->TO	-0.8234	160	107.0556	'CARGILL SUB - G08-052T 115.00 115KV CKT 1'
14SP	G08_077	'BECKHAM CO 230.00 - ELK CITY 230KV 230KV CKT 1'	FROM->TO	-0.32266	351	107.0347	'MIDPT_BUS 7 345.00 - WWRDEHV7 345.00 345KV CKT 1'
14SP	G09_007	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.70448	270.7	107.0055	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	FROM->TO	0.31365	350.9	106.8188	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G08_093	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	FROM->TO	0.31365	350.9	106.8188	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G08_102	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	FROM->TO	-0.31822	350.9	106.8188	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G09_039	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	FROM->TO	0.31365	350.9	106.8188	'G07-34T 345.00 - TOLK STATION 345KV CKT 1'
14SP	G08_069	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	FROM->TO	0.31365	350.9	106.7904	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_093	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	FROM->TO	0.31365	350.9	106.7904	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_102	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	FROM->TO	-0.31822	350.9	106.7904	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_039	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	FROM->TO	0.31365	350.9	106.7904	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G09_041	'MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	-0.2291	350.6	106.7812	'G05-17T 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1'
14SP	G08_132	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.37782	346.7	106.6338	'CUNNINGHAM STATION 230/20.0KV TRANSFORMER CKT 1'
14SP	G08_077	'BRANTLEY - MORWOOD 138KV CKT 1'	FROM->TO	1	178.8	106.4318	'ERICK - SWEETWATER 138KV CKT 1'
14SP	G08_077	'MOREWOOD SW - MORWOOD 138KV CKT 1'	TO->FROM	1	178.8	106.4318	'ERICK - SWEETWATER 138KV CKT 1'
14SP	G08_135	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.22496	207.7	106.4294	'BASE CASE'
14SP	G08_136	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19525	350.8	106.2587	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_069	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.22221	495.6	106.1731	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_093	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.23461	495.6	106.1731	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_102	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.21165	495.6	106.1731	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G09_039	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.22221	495.6	106.1731	'AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-KOCH - CAPROCK REC-VEALMOOR 138KV CKT 1'	FROM->TO	0.19963	175.5	106.0439	'CAPROCK REC-ST LAWRENCE - CAPROCK REC-STILES 138KV CKT 1'
14SP	G08_077	'ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.33249	365	106.0253	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_077	'ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.33249	365	105.9979	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.28829	348.5	105.7826	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.28829	348.5	105.7826	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19525	350.8	105.6316	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.8693	350.3	105.5709	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G08_067	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.25215	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_069	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.3585	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_072	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.35283	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_093	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.35552	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_101	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.37668	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_102	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.35229	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_120	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.21752	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_121	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.52043	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_130	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.52043	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_131	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.40292	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_132	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.37601	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_135	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.38624	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_136	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.38624	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G09_001	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.43875	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G09_002	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.43875	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G09_007	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.38624	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G09_038	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.37612	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G09_039	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.3585	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G09_044S	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.30168	1195	105.4933	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.66915	554.7	105.4389	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.78531	554.7	105.4389	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.23151	554.7	105.4389	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.2451	554.7	105.4389	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.20711	554.7	105.4389	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.20711	554.7	105.4389	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.20711	554.7	105.4389	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.24456	554.7	105.4389	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.66915	554.7	105.4389	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.23815	350.8	105.3713	'CUNNINGHAM STATION - POTASH JUNCTION INTERCHANGE 230KV CKT 1'
14SP	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.66915	555	105.3638	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.78531	555	105.3638	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.23151	555	105.3638	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_132	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.2451	555	105.3638	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_135	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.20711	555	105.3638	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G08_136	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.20711	555	105.3638	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.20711	555	105.3638	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.24456	555	105.3638	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.66915	555	105.3638	'AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_102	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	-0.28865	350.7	105.1338	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65693	475.3	104.9429	'BASE CASE'
14SP	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.77645	475.3	104.9429	'BASE CASE'
14SP	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.20087	475.3	104.9429	'BASE CASE'
14SP	G08_132	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21495	475.3	104.9429	'BASE CASE'
14SP	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21446	475.3	104.9429	'BASE CASE'
14SP	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65693	475.3	104.9429	'BASE CASE'
14SP	G08_069	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65693	475.6	104.8556	'BASE CASE'
14SP	G08_093	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.77645	475.6	104.8556	'BASE CASE'
14SP	G08_101	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.20087	475.6	104.8556	'BASE CASE'
14SP	G08_132	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21495	475.6	104.8556	'BASE CASE'
14SP	G09_038	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21446	475.6	104.8556	'BASE CASE'
14SP	G09_039	'TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.65693	475.6	104.8556	'BASE CASE'
14SP	G08_102	'CHAVES COUNTY INTERCHANGE - EDDY COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	-0.28865	350.7	104.8486	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23833	166.2	104.697	'CUNNINGHAM STATION - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.19525	350.8	104.6053	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.21848	495.5	104.5058	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.23541	495.5	104.5058	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.20898	495.5	104.5058	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.21848	495.5	104.5058	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_044S	'SWISHER COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	-0.60079	132.4	104.4953	'HALE CO INTERCHANGE - KRESS INTERCHANGE 115KV CKT 1'
14SP	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.21488	434.3	104.4927	'BASE CASE'
14SP	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.23261	434.3	104.4927	'BASE CASE'
14SP	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.20569	434.3	104.4927	'BASE CASE'
14SP	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.21488	434.3	104.4927	'BASE CASE'
14SP	G09_041	'MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	-0.2291	350.6	104.4737	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.21848	495.5	104.2636	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.23541	495.5	104.2636	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.20898	495.5	104.2636	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.21848	495.5	104.2636	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23285	166.2	104.1436	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23285	166.2	104.1436	'G08-131T 230.00 - WOLFFORTH INTERCHANGE 230KV CKT 1'
14SP	G08_135	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.68474	435.2	104.0894	'BASE CASE'
14SP	G08_102	'OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	TO->FROM	0.6452	350.7	104.089	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25927	348.5	104.0794	'PLANT X STATION - SUNDOWN INTERCHANGE 230KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.54492	318.6	104.0612	'BASE CASE'
14SP	G08_120	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.23673	318.6	104.0612	'BASE CASE'
14SP	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.54607	350.6	104.0281	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.2386	350.6	104.0281	'JONES STATION - TUCO INTERCHANGE 230KV CKT 1'
14SP	G09_044S	'KRESS INTERCHANGE - TULIA TAP 115KV CKT 1'	FROM->TO	-0.67029	97.5	103.9077	'G06-39T 230.00 - PLANT X STATION 230KV CKT 1'
14SP	G09_044S	'HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1'	TO->FROM	0.32972	97.9	103.8739	'DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1'
14SP	G08_069	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.21848	495.5	103.86	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_093	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.23541	495.5	103.86	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_102	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.20898	495.5	103.86	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G09_039	'PLANT X STATION - TOLK STATION WEST 230KV CKT 1'	TO->FROM	0.21848	495.5	103.86	'CAPROCK REC-MCDONALD - CAPROCK REC-PHILLIPS 138KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23059	166.2	103.602	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'
14SP	G08_077	'CLINTON JUNCTION - ELK CITY 138KV CKT 1'	TO->FROM	0.21758	143	103.3895	'CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.76844	501.3	103.1203	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G09_007	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.30392	270.8	103.0488	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_077	'ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.32266	365	102.9293	'MIDPT_BUS 7 345.00 - VWRDEHV7 345.00 345KV CKT 1'
14SP	G08_077	'ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1'	FROM->TO	-0.32266	365	102.9019	'MIDPT_BUS 7 345.00 - VWRDEHV7 345.00 345KV CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.8693	350.3	102.7733	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'	TO->FROM	0.23118	166.2	102.7155	'CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_044S	'KRESS INTERCHANGE - TULIA TAP 115KV CKT 1'	FROM->TO	-0.66949	97.5	102.6922	'DEAF SMITH COUNTY INTERCHANGE - G06-39T 230.00 230KV CKT 1'
14SP	G08_077	'BRANTLEY - DURHAM 138KV CKT 1'	TO->FROM	0.58339	105.7	102.5977	'BASE CASE'
14SP	G08_067	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.2057	350.6	102.5245	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_084	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.54628	350.6	102.5245	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_120	'BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.24386	350.6	102.5245	'HEREFORD INTERCHANGE - PANDAHFD 3 115.00 115KV CKT 1'
14SP	G08_077	'CLINTON JUNCTION - ELK CITY 138KV CKT 1'	TO->FROM	0.21758	143	102.4804	'CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1'
14SP	G08_067	'CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2'	TO->FROM	-0.25019	184.7	102.4441	'DEAF SMITH COUNTY INTERCHANGE - HEREFORD INTERCHANGE 115KV CKT 1'
14SP	G08_136	'CAPROCK REC-ST LAWRENCE - CAPROCK REC-STILES 138KV CKT 1'	TO->FROM	0.29552	271	102.3772	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'

## Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G08_077	'DURHAM - SWEETWATER 138KV CKT 1'	FROM->TO	0.41661	105.8	102.3197	'BASE CASE'
14SP	G08_077	'BRANTLEY - MORWOOD 138KV CKT 1'	FROM->TO	1	178.8	102.1253	'ERICK - SAYRE 138KV CKT 1'
14SP	G08_077	'MOREWOOD SW - MORWOOD 138KV CKT 1'	TO->FROM	1	178.8	102.1253	'ERICK - SAYRE 138KV CKT 1'
14SP	G08_135	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'	FROM->TO	0.70448	270.7	102.0609	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_044S	'KRESS INTERCHANGE - TULIA TAP 115KV CKT 1'	FROM->TO	-0.67097	97.5	101.9811	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_067	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.25257	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_069	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.35892	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_072	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.35325	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_093	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.35594	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_101	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.3771	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_102	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.35332	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_120	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.21794	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_131	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.40334	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_132	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.37643	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_135	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.38666	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_136	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.38666	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_001	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.43917	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_002	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.43917	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_007	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.38666	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_038	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.37653	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_039	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.35892	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_044S	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'	TO->FROM	0.30209	1195	101.9623	'G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_007	'HOBBS_INT 3 115.00 - LEA COUNTY INTERCHANGE 115KV CKT 1'	FROM->TO	0.24057	250.5	101.8816	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.22599	495.6	101.8318	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_093	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.24293	495.6	101.8318	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_102	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.21687	495.6	101.8318	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_039	'PLANT X STATION - TOLK STATION EAST 230KV CKT 2'	TO->FROM	0.22599	495.6	101.8318	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.24839	316.2	101.6777	'BASE CASE'
14SP	G09_007	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	1	350.3	101.4844	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.76844	501.3	101.4047	'CAPROCK REC-GRADY - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.76891	501.3	101.3566	'HOBBS_INT 6 230.00 230/115KV TRANSFORMER CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	1	350.3	101.3417	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_136	'CAPROCK REC-KOCH - CAPROCK REC-REED 138KV CKT 1'	TO->FROM	0.19963	175.6	101.3138	'CAPROCK REC-LANGE - CAPROCK REC-ST LAWRENCE 138KV CKT 1'
14SP	G08_067	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.22775	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_069	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.30417	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_072	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.30009	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_093	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.30202	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_101	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.31726	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_102	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.30014	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_120	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.20249	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_121	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.51195	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_130	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.51195	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_131	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.33616	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_132	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.31678	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_135	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.32415	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_136	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.32415	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_001	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.36197	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_002	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.36197	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_007	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.32415	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_038	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.31686	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_039	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.30417	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G09_044S	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'	FROM->TO	0.26403	1050.5	101.2525	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_067	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.19635	558.6	101.2277	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_084	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.22375	558.6	101.2277	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_120	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.2127	558.6	101.2277	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_067	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.19635	558.6	101.2098	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_084	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.22375	558.6	101.2098	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_120	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.2127	558.6	101.2098	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.8693	350.3	101.0034	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'
14SP	G08_135	'CAPROCK REC-PHILLIPS - CAPROCK REC-TATE 138KV CKT 1'	TO->FROM	0.30392	270.8	100.9164	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_077	'BECKHAM CO 230.00 - WHEELER 6 230.00 230KV CKT 1'	TO->FROM	-0.33144	350.8	100.8869	'G05-15T 345.00 - OKLAUNION 345KV CKT 1'
14SP	G08_072	'LAMB COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1'	FROM->TO	0.26934	231.2	100.8659	'PLANT X STATION 230/115KV TRANSFORMER CKT 1'
14SP	G08_135	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.8693	350.3	100.8559	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.8845	501.3	100.5935	'BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G08_067	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.19162	558.6	100.5706	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'

Appendix H

Season	Source	MontCommonName	Direction	TDF	Rating	Contingency Loading %	Contname
14SP	G08_067	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.19162	558.6	100.5706	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_084	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21681	558.6	100.5706	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_084	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.21681	558.6	100.5706	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_120	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.20703	558.6	100.5706	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_120	'POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1'	FROM->TO	0.20703	558.6	100.5706	'MIDPT_BUS 7 345.00 - TUCO INTERCHANGE 345KV CKT 1'
14SP	G08_067	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.21817	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G08_069	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.24322	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G08_072	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.24188	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G08_084	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.19827	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G08_093	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.24249	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G08_101	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.24763	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G08_102	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.24189	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G08_120	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.2085	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G08_121	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.31546	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G08_130	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.31546	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G08_131	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.25399	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G08_132	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.24747	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G08_135	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.24995	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G08_136	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.24995	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G09_001	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.26267	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G09_002	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.26267	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G09_007	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.24995	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G09_034	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.63876	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G09_035	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.63876	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G09_038	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.24749	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G09_039	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.24322	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G09_042	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.2717	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G09_044S	'CIMARRON - G07-43T 345.00 345KV CKT 1'	TO->FROM	0.2327	950.9	100.5477	'LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.8845	501.3	100.5137	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'
14SP	G08_135	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'	FROM->TO	0.24943	525.7	100.4545	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_136	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'	FROM->TO	0.24943	525.7	100.4545	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G09_007	'BORDEN COUNTY INTERCHANGE - GRASSLAND INTERCHANGE 230KV CKT 1'	FROM->TO	0.24943	525.7	100.4545	'LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_069	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	FROM->TO	0.31377	350.9	100.3515	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
14SP	G08_102	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	FROM->TO	-0.3181	350.9	100.3515	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
14SP	G09_039	'CHAVES COUNTY INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1'	FROM->TO	0.31377	350.9	100.3515	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'	TO->FROM	0.8693	350.3	100.3468	'CAPROCK REC-KOCH - CAPROCK REC-REED 138KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25445	348.5	100.3404	'HOBBS_INT 6 230.00 - MIDLAND COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.25445	348.5	100.3117	'MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1'
14SP	G09_007	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.76844	501.3	100.2877	'CAPROCK REC-GRADY - CAPROCK REC-REED 138KV CKT 1'
14SP	G08_135	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'	FROM->TO	0.76844	501.3	100.2078	'CAPROCK REC-MCDONALD - CAPROCK REC-TRIANGLE 138KV CKT 1'
14SP	G08_135	'HOBBS_INT 3 115.00 - LEA COUNTY INTERCHANGE 115KV CKT 1'	FROM->TO	0.24057	250.5	100.057	'HOBBS_INT 6 230.00 - LEA COUNTY INTERCHANGE 230KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27292	348.5	100.0525	'G07-34T 345.00 - G09-39T 345.00 345KV CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27292	348.5	100.0238	'EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1'
14SP	G08_093	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.27292	348.5	100.0238	'EDDY COUNTY INTERCHANGE - G09-39T 345.00 345KV CKT 1'
14SP	G08_132	'TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1'	FROM->TO	0.21718	348.5	99.9933	'G08-131T 230.00 - SUNDOWN INTERCHANGE 230KV CKT 1'