Aggregate System Impact Study SPP-2006-AG3-ASIS For Transmission Service Requested By Aggregate Transmission Customers

SPP Engineering, Tariff Studies

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1. Executive Summary

Pursuant to Attachment Z of the Southwest Power Pool Open Access Transmission Tariff (OATT), approximately 10,181 MW of long-term transmission service requests have been studied in aggregate. The principal objective of the study is to identify system problems and potential modifications necessary to facilitate these transfers while maintaining or improving system reliability. Facility upgrade costs are allocated to all requests positively impacting any individual upgraded facility on a prorated basis. Further, Attachment Z provides for facility upgrade cost recovery by stating that "[a]ny charges paid by a customer in excess of the transmission access charges in compensation for the revenue requirements for allocated facility upgrade(s) shall be recovered by such customer from future transmission service revenues until the customer has been fully compensated."

The total facilities upgrade cost determined by the Aggregate System Impact Study is approximately $ 1,027 Million. Final cost allocation and potential base plan funding will be determined during the Aggregate Facility Study.

2. Introduction

On January 21, 2005, the Federal Energy Regulatory Commission accepted Southwest Power Pool's proposed aggregate transmission study procedures in Docket ER05-109 to become effective February 1, 2005. The proposed cost allocation and cost recovery provisions were accepted for filing and suspended to become effective the earlier of five months from the requested effective date (July 1, 2005) or a further order of the Commission in the proceeding subject to refund. Since that time, the cost allocation and cost recovery provisions have been accepted with modification. The following hyperlink can be used to access the SPP Regulatory/FERC webpage: (http://www.spp.org/Objects/FERC_filings.cfm). The hyperlinks under the heading *ER05-109 (Attach Z Filing*) open Southwest Power Pool's October 29, 2004 filing containing Attachment Z to the SPP OATT and the Commission's January 21, 2005 Order. In compliance with this Order, the 2006-AG3 open season commenced on June 1, 2006. All requests for long-term transmission service received prior to October 1, 2006 with a signed study agreement were then included in the third Aggregate Transmission Service Study (ATSS) of 2006. This report signals the completion of the first stage of the ATSS, the Aggregate System Impact Study (ASIS). In order to enter the second stage of the ATSS, the Aggregate Facility Study (AFS), another agreement must be executed by each customer. The Aggregate Facility Study Agreement (AFSA) has been tendered to the customer contact given on each OASIS request, and a fifteen-day window has been opened to allow for agreement execution.

Approximately 10,181 MW of long-term transmission service has been studied and over $ 1,027 Million in transmission upgrades is being proposed. The results of the ASIS are detailed in Tables 1 through 3. A highly tangible benefit of studying transmission requests aggregately under the SPP OATT Attachment Z is the sharing of costs among customers using the same facility. The detailed results show individual upgrade costs by request as well as potential base plan allowances as determined by Attachments J and Z. The following hyperlink can be used to access the SPP OATT: (http://www.spp.org/Publications/SPP_Tariff.pdf). The individual

upgrade costs by request are provided as a range due to the uncertainty of final customer participation. The lower cost is based upon the allocation of costs to all customers in the ASIS who positively impact facilities subsequently overloaded by the ASIS. The higher cost is determined by allocating the total cost of each upgrade required by an individual request to that request to indicate potential engineering and construction costs if all other requests withdraw from the ATSS. In order to understand the extent to which base plan upgrades may be applied to both point-to-point and network transmission services, it is necessary to highlight the definition of Designated Resource. Per Section 1.9a of the SPP OATT, a Designated Resource is "[a]ny designated generation resource owned, purchased or leased by a Transmission Customer to serve load in the SPP Region. Designated Resources do not include any resource, or any portion thereof, that is committed for sale to third parties or otherwise cannot be called upon to meet the Transmission Customer's load on a non-interruptible basis." Therefore, not only network service, but also point-to-point service has potential for base plan funding if the conditions for classifying upgrades associated with designated resources as base plan upgrades as defined in Section III.B of Attachment J are met.

According to Attachment Z Section VI.A, Point-to-Point customers pay the higher of the monthly transmission access charge (base rate) or the monthly revenue requirement associated with the facility upgrades. Network Integration Service customers pay the total monthly transmission access charges, the monthly revenue requirement associated with the facility upgrades, and any direct assignment charges. Customers paying the above charges may receive credits in accordance with Section VI.B.

In some instances due to lead times for engineering and construction, Network Upgrades may not be available when required to accommodate a request for Transmission Service. When this occurs, the ATC with available Network Upgrades will be less than the capacity requested during either a portion of or all of the requested reservation period. As a result, the lowest seasonal allocated ATC within the requested reservation period will be offered to the Transmission Customer on an applicable annual basis as listed in Table 1. The ATC may be limited by transmission owner reliability projects and not only by customer assigned upgrades.

3. Study Methodology

A. Description

The system impact analysis was conducted to determine the steady-state impact of the requested service on the SPP and first tier Non - SPP control area systems. The steady-state analysis was done to ensure current SPP Criteria and NERC Reliability Standards requirements are fulfilled. The Southwest Power Pool conforms to the NERC Reliability Standards, which provide the strictest requirements, related to voltage violations and thermal overloads during normal conditions and during a contingency. It requires that all facilities be within normal operating ratings for normal system conditions and within emergency ratings after a contingency. Normal operating ratings and emergency operating ratings monitored are Rate A and B in the SPP MDWG models, respectively. The upper bound and lower bound of the normal voltage range monitored is 105% and 95%. The upper bound and lower bound of the emergency voltage range monitored is 110% and 90%. The SPS Tuco 230 kV bus voltage is monitored at 92.5% due to pre-determined system stability limitations.

The contingency set includes all SPP control area branches and ties 69kV and above, first tier Non - SPP control area branches and ties 115 kV and above, any defined contingencies for these control areas, and generation unit outages for the control areas with SPP reserve share program redispatch. The monitor elements include all SPP control area branches, ties, and buses 69 kV and above, and all first tier Non – SPP control area branches and ties 69 kV and above. Voltage monitoring was performed for SPP control area buses 69 kV and above.

A 3 % transfer distribution factor (TDF) cutoff was applied to all SPP control area facilities. For first tier Non – SPP control area facilities, a 3 % TDF cutoff was applied to AECI, AMRN, and ENTR and a 2 % TDF cutoff was applied to MEC, NPPD, and OPPD. For voltage monitoring, a 0.02 per unit change in voltage must occur due to the transfer or modeling upgrades to be considered a valid limit to the transfer.

B. Model Development

SPP used twelve seasonal models to study the aggregate transfers of 10,181 MW over a variety of requested service periods. The SPP MDWG 2006 Series Cases Update 4 2006/07 Winter Peak (06WP), 2007 April Minimum (07AP), 2007 Spring Peak (07G), 2007 Summer Peak (07SP), 2007 Summer Shoulder (07SH), 2007 Fall Peak (07FA), 2007/08 Winter Peak (07WP), 2008 Summer Peak (08SP), 2008/09 Winter Peak (08WP), 2011 Summer Peak (11SP), 2011/12 Winter Peak (11WP), and 2016 Summer Peak (16SP) were used to study the impact of the requested service on the transmission system. The Spring Peak models apply to April and May, the Summer Peak models apply to June through September, the Fall Peak models apply to October and November, and the Winter Peak models apply to December through March.

The chosen base case models were modified to reflect the most current modeling information. Five groups of requests were developed from the aggregate of 10,181 MW in order to minimize counterflows among requested service. Each request was included in at least two of the four groups depending on the requested path. All requests were included in group five. From the twelve seasonal models, five system scenarios were developed. Scenario 1 includes SWPP OASIS transmission requests not already included in the SPP 2006 Series Cases flowing in a West to East direction with ERCOT net importing and SPS exporting to outside zones and importing from the Lamar HVDC Tie. Scenario 2 includes transmission requests not already included in the SPP 2006 Series Cases flowing in an East to West direction with ERCOT importing and SPS importing from outside zones and exporting to the Lamar HVDC Tie. Scenario 3 includes transmission requests not already included in the SPP 2006 Series Cases flowing in a South to North direction with ERCOT net importing and SPS exporting to outside zones and exporting to the Lamar HVDC Tie. Scenario 4 includes transmission requests not already included in the SPP 2006 Series Cases flowing in a North to South direction with ERCOT importing and SPS importing from outside zones and importing from the Lamar HVDC Tie. Scenario 5 includes all transmission not already included in the SPP 2006 Series Cases with ERCOT importing and SPS net exporting to outside zones and exporting to the Lamar HVDC Tie. The system scenarios were developed to minimize counter flows from previously confirmed, higher priority requests not included in the MDWG Base Case.

C. Transfer Analysis

Using the selected cases both with and without the requested transfers modeled, the PSS/E Activity ACCC was run on the cases and compared to determine the facility overloads caused or impacted by the transfer. Transfer distribution factor cutoffs (SPP and 1st-Tier) and voltage threshold (0.02 change below 0.90 pu) were applied to determine the impacted facilities. The PSS/E options chosen to conduct the analysis can be found in Appendix A.

D. Redispatch Evaluation

During any period when SPP determines that a transmission constraint exists on the Transmission System, and such constraint may impair the reliability of the Transmission System, SPP will take whatever actions, that are reasonably necessary to maintain the reliability of the Transmission System. To the extent SPP determines that the reliability of the Transmission System can be maintained by redispatching resources, SPP will evaluate the redispatch of units to provide service prior to completion of any assigned network upgrades. Any redispatch may not unduly discriminate between the Transmission Owners' use of the Transmission System on behalf of their Native Load Customers and any Transmission Customer's use of the Transmission System to serve its designated load. Redispatch was evaluated to provide only interim service during the time frame prior to completion of any assigned network upgrades.

SPP determined potential relief pairs to relieve the incremental MW impact on limiting facilities identified. Using the selected cases where the limiting facilities were identified, potential incremental and decremental units were identified by determining the generation amount available for increasing and decreasing from the units generation amount, maximum generation amount, and minimum generation amount. If the incremental or decremental amount was greater than 1 MW, the unit was considered as a potential incremental or decremental unit. Generation shift factors were calculated for the potential incremental and decremental units using Managing and Utilizing System Transmission (MUST). From the generation shift factors for the incremental and decremental units, top 100 relief pairs with a greater than 3% TDF were determined from the incremental units with the lowest generation shift factors and decremental units with highest generation shift factors. The potential relief pairs were not evaluated to determine impacts on limiting facilities in the SPP and 1st-Tier systems.

4. Study Results

A. Study Analysis Results

Tables 1 through 5 contain the steady-state analysis results of the ASIS. Table 1 identifies the participating long-term transmission service requests included in the ASIS. This table provides the engineering and construction upgrade cost range, potential base plan funding allowance, point-to-point base rate charge, deferral period for each request, and minimum annual allocated ATC without upgrades and season of first impact. Table 2 provides additional details for each request including all facility upgrades required and allocated costs for each upgrade. These costs are provided in a range derived from the two possibilities that all requests will execute service agreements or that only the detailed request will execute a service agreement. Table 3 lists all

upgrade requirements with associated solutions needed to provide transmission service for the ASIS, the Commercial Operation Date (COD), the End of Construction (EOC), and Estimated E & C cost. Table 4 lists identified Third-Party constrained facilities. Table 5 identifies potential redispatch pairs available to relieve the aggregate impacts on identified constraints to prevent deferral of service.

Potential base plan funding allowable is contingent upon meeting each of the conditions for classifying upgrades associated with designated resources as base plan upgrades as defined in Section III.B of Attachment J.. The lesser of the planned maximum net dependable capacity or the requested capacity is multiplied by $180,000 to determine potential base plan funding allowable. If this additional capacity exceeds the 125% resource to load criteria for a given year, the requested resource is not eligible for base plan funding of required network upgrades.

The 125% resource to load determination is performed on a per request basis and is not based on a total of designated resource requests per Customer. A footnote will provide the maximum resource designation allowable for base plan funding consideration per Customer basis per year.

Base plan funding verification requires that each Transmission Customer with potential for base plan funding provide SPP power supply contracts or agreements verifying that the firm capacity of the requested designated resource is committed for a minimum five year duration.

The Commercial Operation Date (COD) is the earliest date the upgrade is required to alleviate a constraint considering all requests. End of Construction (EOC) is the estimated date the upgrade will be completed and in service. The Total Engineering and Construction Cost (E & C) is the upgrade solution cost as determined by the transmission owner. The Customer Allocation Cost is the estimated engineering and construction cost based upon the allocation of costs to all customers in the ASIS who positively impact facilities by at least 3% subsequently overloaded by the ASIS. The Minimum ATC is the portion of the requested capacity that can be accommodated without upgrading facilities. Annual ATC allocated to the Transmission Customer is determined by the least amount of allocated seasonal ATC within each year of a reservation period.

The AFS will utilize the allocated customer E & C cost in a present worth analysis to determine the levelized revenue requirement of each facility upgrade over the term of the reservation. The upgrade levelized revenue requirements include interest, depreciation, and carrying costs. Therefore, the levelized revenue requirements for facilities upgrades will be higher than the estimated E & C costs included in this study.

5. Conclusion

The results of the ASIS show that limiting constraints exist in many areas of the regional transmission system. Due to these constraints, transmission service cannot be granted unless noted in Table 2. Any solutions, upgrades, and costs provided in the ASIS are planning estimates and will be refined in the AFS. The final ATC and upgrades required may vary from these results due to unknown facility upgrades caused by assigned upgrades, proposed

transmission plans that may be identified during the facility study process, and withdrawal of participating long-term transmission service requests included in the ASIS.

Execution of an AFSA is now required to maintain participation in the ATSS. The final ATC, upgrade solutions, cost assignments, deferral periods, renewal right evaluation, and available redispatch and curtailment options will be determined upon the completion of the AFS.

Appendix

PSS/E CHOICES IN RUNNING LOAD FLOW PROGRAM AND ACCC

BASE CASES:
Solutions - Fixed slope decoupled Newton-Raphson solution (FDNS)
1. Tap adjustment – Stepping
2. Area interchange control – Tie lines and load
3. Var limits – Apply immediately
4. Solution options - X Phase shift adjustment
   _ Flat start
   _ Lock DC taps
   _ Lock switched shunts

ACCC CASES:
Solutions – AC contingency checking (ACCC)
1. MW mismatch tolerance – 0.5
2. Contingency case rating – Rate B
3. Percent of rating – 100
4. Output code – Summary
5. Min flow change in overload report – 3 mw
6. Excld cases w/ no overloads form report – YES
7. Exclude interfaces from report – NO
8. Perform voltage limit check – YES
9. Elements in available capacity table – 60000
10. Cutoff threshold for available capacity table – 99999.0
11. Min. contng. case Vltg chng for report – 0.02
12. Sorted output – None

Newton Solution:
1. Tap adjustment – Stepping
2. Area interchange control – Tie lines and load
3. Var limits - Apply immediately
4. Solution options - X Phase shift adjustment
   _ Flat start
   _ Lock DC taps
   _ Lock switched shunts

Table 1 - Long-Term Transmission Service Requests Included the Aggregate System Impact Study

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Start Date with Redispatch	Stop Date with Redispatch		Mimimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period	Maximum Potential Base Plan Funding Allowable	Note	Point-to-Point Base Rate	Engineering and Construction Cost of Upgrades Allocated to Customer based on ASIS allocation	Total Engineering and Construction Cost of Upgrades Allocated to Customer if all other customers withdraw.
AECC	AG3-2006-003	1161131	WR	EES	50	12/1/2007	12/1/2027					12	0	11SP	$ -		$ 10,800,000	$ 2,048,521	$ 300,999,000
AECC	AG3-2006-002	1161136	WR	CSWS	50	12/1/2007	12/1/2027					12	0	07WP	$ 900,000		$ -	$ 1,613,833	$ 231,600,000
AECC	AG3-2006-001	1161209	CSWS	CSWS	70	6/1/2011	6/1/2031	6/1/2012	6/1/2032			12	0	11SP	$ 1,260,000		$ -	$ 10,855,190	$ 366,990,000
AEPM	AG3-2006-039	1158760	CSWS	CSWS	160	7/1/2007	7/1/2012	6/1/2012	6/1/2017			12	0	07SP	$ 28,800,000		$ -	$ 5,453,906	$ 233,700,000
AEPM	AG3-2006-040	1158761	CSWS	CSWS	160	11/1/2007	11/1/2012	6/1/2012	6/1/2017			12	0	08SP	$ 28,800,000		$ -	$ 4,453,906	$ 232,700,000
AEPM	AG3-2006-043	1162211	OKGE	CSWS	457	6/1/2011	6/1/2031	6/1/2012	6/1/2032			12	0	11SP	$ 82,260,000		$ -	$ 24,707,419	$ 249,315,000
AEPM	AG3-2006-044	1162214	CSWS	CSWS	455	6/1/2011	6/1/2031	6/1/2012	6/1/2032			12	0	11SP	$ 81,900,000		$ -	$ 51,086,544	$ 375,200,000
AEPM	AG3-2006-045	1162223	CSWS	WFEC	15	8/1/2007	8/1/2012	6/1/2012	6/1/2017			12	0	11SP	$ 2,700,000		$ -	$ 5,727,060	$ 671,874,718
AEPM	AG3-2006-072	1162484	CSWS	EES	11	1/1/2009	1/1/2014	6/1/2012	6/1/2017			12	0	11WP	$ 1,980,000		$ -	$ 620,960	$ 286,900,000
AEPM	AG3-2006-073	1162486	CSWS	EES	25	1/1/2009	1/1/2014	6/1/2012	6/1/2017			12	0	11WP	$ 4,500,000		$ -	$ 1,414,713	$ 286,900,000
AEPM	AG3-2006-074	1162487	CSWS	EES	20	1/1/2009	1/1/2014	6/1/2012	6/1/2017			12	0	11WP	$ 3,600,000		$ -	$ 1,037,435	$ 286,900,000
AEPM	AG3-2006-075	1162491	CSWS	EES	19	1/1/2009	1/1/2014	6/1/2012	6/1/2017			12	0	11WP	$ 3,420,000		$ -	$ 1,149,052	$ 286,900,000
AEPM	AG3-2006-076	1162492	CSWS	EES	9	1/1/2009	1/1/2014	6/1/2012	6/1/2017			12	0	11WP	$ 1,620,000		$ -	$ 471,918	$ 289,400,000
AEPM	AG3-2006-077	1162494	CSWS	EES	17	1/1/2009	1/1/2014	6/1/2012	6/1/2017			12	0	11WP	$ 3,060,000		$ -	$ 880,831	$ 289,400,000
AEPM	AG3-2006-092	1162763	CSWS	CSWS	100	6/1/2007	6/1/2008	6/1/2012	6/1/2013			12	48	07SP	$ -		$ 1,260,000	$ 4,181,207	$ 509,969,718
AEPM	AG3-2006-091	1162766	CSWS	CSWS	100	6/1/2007	6/1/2008	6/1/2009	6/1/2010			12	48	07SP	$ -		$ 1,260,000	$ 1,426,071	$ 14,200,000
AEPM	AG3-2006-095	1162768	OKGE	CSWS	100	6/1/2007	6/1/2008	4/1/2009	4/1/2010			12	100	N/A	$ -		$ 1,260,000	$ 144,948	$ 3,075,000
AEPM	AG3-2006-094	1163062	CSWS	CSWS	550	6/1/2010	6/1/2015	6/1/2012	6/1/2017			12	0	11SP	$ 99,000,000		$ -	$ 24,538,130	$ 381,450,000
EXGN	AG3-2006-042D	1162087	CSWS	SPS	104	6/1/2007	6/1/2008	6/1/2012	6/1/2013			12	0	07FA	$ -		$ 1,810,848	$ 593,269	$ 3,677,530
GRDX	AG3-2006-032	1161666	CSWS	GRDA	150	2/1/2007	2/1/2008	6/1/2009	6/1/2010			12	0	06WP	$ -		$ -	$ 2,564,296	$ 9,060,000
GRDX	AG3-2006-033	1161667	OKGE	GRDA	150	2/1/2007	2/1/2008	6/1/2009	6/1/2010			12	38	07SP	$ -		$ -	$ 1,483,892	$ 9,060,000
GSEC	AG3-2006-999	9999999	SPS	SPS	30	7/1/2007	7/1/2038	6/1/2012	6/1/2043			12	0	07SP	$ -	10	$ -	$ 6,299,377	$ 483,567,457
GSEC	AG3-2006-007	1154439	SPS	SPS	10	1/1/2008	1/1/2038	6/1/2012	6/1/2042			12	0	08SP	$ -	1	$ -	$ 2,710,825	$ 520,745,546
GSEC	AG3-2006-008	1161197	SECI	SPS	400	9/1/2011	9/1/2041	6/1/2012	6/1/2042			12	0	11SP	$ 72,000,000		$ -	$ 103,513,156	$ 618,737,945
GSEC	AG3-2006-008	1161198	SECI	SPS	30	9/1/2011	9/1/2041	6/1/2012	6/1/2042			12	0	11SP	$ 5,400,000		$ -	$ 7,763,491	$ 618,737,945
GSEC	AG3-2006-097	1161457	SPS	SPS	20	9/1/2007	9/1/2037	6/1/2012	6/1/2042			12	0	08SP	$ -	1	$ -	$ 3,728,431	$ 502,979,971
GSEC	AG3-2006-098	1161458	SPS	SPS	20	3/1/2007	3/1/2037	6/1/2012	6/1/2042			12	0	07AP	$ -	1	$ -	$ 7,297,918	$ 514,545,546
GSEC	AG3-2006-099	1161969	SPS	SPS	50	6/1/2007	6/1/2037	6/1/2012	6/1/2042			12	0	07SP	$ -	1	$ -	$ 18,628,315	$ 510,549,971
GSEC	AG3-2006-100	1162688	SPS	SPS	10	3/1/2007	3/1/2037	6/1/2012	6/1/2042			12	0	07SP	$ -	1	$ -	$ 5,941,252	$ 561,924,971
INDP	AG3-2006-030	1161528	KCPL	INDN	50	6/1/2010	6/1/2040					12	0	11SP	$ -		$ 15,840,000	$ 1,894,696	$ 2,309,000
KCPS	AG3-2006-105	1162645	KCPL	KCPL	77	6/1/2009	6/1/2010					12	77	N/A	$ -		$ -	$ -	$ -
KCPS	AG3-2006-106	1162649	WPEK	KCPL	101	2/1/2007	2/1/2037	6/1/2012	6/1/2042			12	0	06WP	$ 1,800,000		$ -	$ 27,663,007	$ 598,307,832
KCPS	AG3-2006-103	1162650	KCPL	CLEC	52	2/1/2007	2/1/2008	6/1/2012	6/1/2013			12	34	07SH	$ -		$ 655,200	$ 1,831,737	$ 521,686,814
KCPS	AG3-2006-103	1162651	KCPL	CLEC	51	2/1/2007	2/1/2008	6/1/2012	6/1/2013			12	33	07SH	$ -		$ 642,600	$ 1,796,523	$ 521,686,814
KCPS	AG3-2006-102	1162652	KCPL	MEC	52	2/1/2007	2/1/2008					12	52	N/A	$ -		$ 549,120	$ -	$ -
KCPS	AG3-2006-102	1162653	KCPL	MEC	51	2/1/2007	2/1/2008					12	51	N/A	$ -		$ 538,560	$ -	$ -
KCPS	AG3-2006-104	1162654	KCPL	SPA	16	2/1/2007	2/1/2008	6/1/2012	6/1/2013			12	7	07SP	$ -		$ 172,800	$ 853,480	$ 460,836,814
KCPS	AG3-2006-101	1162685	AECI	KCPL	50	6/1/2007	6/1/2008	12/1/2008	12/1/2009			12	29	07WP	$ -		$ -	$ 66,972	$ 4,400,000
KCPS	AG3-2006-101	1162686	AECI	KCPL	50	6/1/2007	6/1/2008	12/1/2008	12/1/2009			12	29	07WP	$ -		$ -	$ 66,972	$ 4,400,000
KCPS	AG3-2006-107	1162701	WR	KCPL	30	6/1/2007	6/1/2008	6/1/2011	6/1/2012			12	0	07FA	$ -		$ -	$ 852,477	$ 284,299,000

Table 1 - Long-Term Transmission Service Requests Included the Aggregate System Impact Study

MIDW	AG3-2006-086	1162102	WR	WR	25	6/1/2007	6/1/2017	6/1/2012	6/1/2022			12	0	08SP	$ -	4	$ -	$ 3,372,212	$ 476,740,493
MIDW	AG3-2006-087	1162103	WR	WR	40	6/1/2008	6/1/2018	6/1/2012	6/1/2022			12	0	08SP	$ -	2	$ -	$ 5,395,590	$ 476,740,493
MIDW	AG3-2006-087	1162109	WR	WR	10	6/1/2008	6/1/2018	6/1/2012	6/1/2022			12	0	08SP	$ -	2	$ -	$ 1,348,913	$ 476,740,493
MIDW	AG3-2006-087	1162112	WR	WR	40	6/1/2008	6/1/2018	6/1/2012	6/1/2022			12	0	08SP	$ -	2	$ -	$ 5,395,590	$ 476,740,493
MIDW	AG3-2006-087	1162122	WR	WR	10	6/1/2008	6/1/2018	6/1/2012	6/1/2022			12	0	08SP	$ -	2	$ -	$ 1,348,913	$ 476,740,493
MIDW	AG3-2006-087	1162123	WR	WR	19	6/1/2008	6/1/2018	6/1/2012	6/1/2022			12	0	11SP	$ -	2	$ -	$ 2,245,667	$ 471,880,493
MIDW	AG3-2006-087	1162130	WR	WR	6	6/1/2008	6/1/2018	6/1/2012	6/1/2022			12	0	11SP	$ -	2	$ -	$ 709,139	$ 471,880,493
MIDW	AG3-2006-058	1162131	WR	WR	40	6/1/2010	6/1/2020	6/1/2012	6/1/2022			12	0	11SP	$ -	3	$ -	$ 3,606,899	$ 466,790,493
MIDW	AG3-2006-058	1162136	WR	WR	10	6/1/2010	6/1/2020	6/1/2012	6/1/2022			12	0	11SP	$ -	3	$ -	$ 901,722	$ 466,790,493
MIDW	AG3-2006-062	1162137	WR	WR	20	6/1/2008	6/1/2038	6/1/2011	6/1/2041			12	0	08SP	$ -	4	$ -	$ 1,049,291	$ 419,010,493
MIDW	AG3-2006-062	1162141	WR	WR	5	6/1/2008	6/1/2038					12	3	11SP	$ -	2	$ -	$ 28,337	$ 413,090,493
MIDW	AG3-2006-062	1162142	WR	WR	40	6/1/2008	6/1/2038	6/1/2011	6/1/2041			12	0	07FA	$ -	4	$ -	$ 2,098,590	$ 419,010,493
MIDW	AG3-2006-062	1162143	WR	WR	10	6/1/2008	6/1/2038					12	7	11SP	$ -	2	$ -	$ 56,547	$ 413,090,493
MIDW	AG3-2006-062	1162144	WR	WR	50	6/1/2008	6/1/2038					12	37	11SP	$ -	3	$ -	$ 282,735	$ 413,090,493
MIDW	AG3-2006-062	1162149	WR	WR	72	6/1/2010	6/1/2040					12	54	11SP	$ -	3	$ -	$ 407,124	$ 413,090,493
MIDW	AG3-2006-062	1162155	WR	WR	18	6/1/2010	6/1/2040					12	13	11SP	$ -	3	$ -	$ 101,801	$ 413,090,493
MIDW	AG3-2006-078	1162168	SECI	WR	75	9/1/2011	9/1/2041	6/1/2012	6/1/2042			12	0	11SP	$ -	4	$ -	$ 10,210,464	$ 501,207,832
MIDW	AG3-2006-058	1162175	WR	WR	68	6/1/2008	6/1/2038	6/1/2012	6/1/2042			12	0	11SP	$ -	2	$ -	$ 6,131,734	$ 466,790,493
MIDW	AG3-2006-058	1162176	WR	WR	16	6/1/2008	6/1/2038	6/1/2012	6/1/2042			12	0	08SP	$ -	2	$ -	$ 1,597,917	$ 471,650,493
MIDW	AG3-2006-058	1162183	WR	WR	40	6/1/2010	6/1/2030	6/1/2012	6/1/2032			12	0	08SP	$ -	3	$ -	$ 3,994,749	$ 471,650,493
MIDW	AG3-2006-058	1162190	WR	WR	10	6/1/2010	6/1/2030	6/1/2012	6/1/2032			12	0	08SP	$ -	3	$ -	$ 998,676	$ 471,650,493
MIDW	AG3-2006-058	1162191	WR	WR	40	6/1/2010	6/1/2030	6/1/2012	6/1/2032			12	0	08SP	$ -	3	$ -	$ 3,994,749	$ 471,650,493
MIDW	AG3-2006-058	1162192	WR	WR	10	6/1/2010	6/1/2030	6/1/2012	6/1/2032			12	0	11SP	$ -	3	$ -	$ 901,722	$ 466,790,493
MIDW	AG3-2006-058	1162193	WR	WR	20	6/1/2010	6/1/2030	6/1/2012	6/1/2032			12	0	08SP	$ -	3	$ -	$ 1,997,403	$ 471,650,493
MIDW	AG3-2006-058	1162194	WR	WR	5	6/1/2010	6/1/2030					12	5	N/A	$ -	3	$ -	$ -	$ -
MIDW	AG3-2006-054	1162201	EES	WR	40	5/1/2010	5/1/2040	6/1/2012	6/1/2042			12	0	11SP	$ -	3	$ -	$ 4,786,114	$ 470,790,493
MIDW	AG3-2006-054	1162202	EES	WR	10	5/1/2010	5/1/2040	6/1/2012	6/1/2042			12	0	11SP	$ -	3	$ -	$ 1,196,531	$ 470,790,493
MIDW	AG3-2006-054	1162203	EES	WR	23	5/1/2010	5/1/2040	6/1/2012	6/1/2042			12	0	08SP	$ -	3	$ -	$ 3,014,883	$ 476,850,493
MIDW	AG3-2006-054	1162204	EES	WR	5	5/1/2010	5/1/2040	6/1/2012	6/1/2042			12	0	08SP	$ -	3	$ -	$ 655,474	$ 476,850,493
MIDW	AG3-2006-069	1162580	WR	WR	5	2/1/2007	2/1/2008					12	5	N/A	$ -		$ 97,440	$ -	$ -
MIDW	AG3-2006-070	1162581	WR	WR	1	2/1/2007	2/1/2008	6/1/2012	6/1/2013			12	0	06WP	$ -		$ 19,488	$ 48,008	$ 582,207,832
MIDW	AG3-2006-071	1162582	WR	WR	1	2/1/2007	2/1/2008	6/1/2012	6/1/2013			12	0	06WP	$ -		$ 19,488	$ 24,541	$ 571,207,832
MIDW	AG3-2006-121	1167662	WR	WR	35	2/1/2007	2/1/2012	6/1/2012	6/1/2017			12	0	06WP	$ -	4	$ -	$ 5,128,160	$ 479,740,493
MIDW	AG3-2006-121	1167664	WR	WR	10	2/1/2007	2/1/2012	6/1/2012	6/1/2017			12	0	06WP	$ -	4	$ -	$ 1,465,281	$ 479,740,493
NTEC	AG3-2006-035	1161974	CSWS	CSWS	52	6/1/2011	6/1/2031	6/1/2012	6/1/2032			12	0	11SP	$ 9,360,000		$ -	$ 3,866,283	$ 338,900,000
OGE	AG3-2006-034	1161665	OKGE	SPA	20	2/1/2007	2/1/2012	6/1/2012	6/1/2017			12	0	08SP	$ -		$ 1,080,000	$ 39,035,100	$ 333,247,000
OGE	AG3-2006-049	1162077	OKGE	OKGE	384	6/1/2011	6/1/2031	6/1/2012	6/1/2032			12	0	11SP	$ 69,120,000		$ -	$ 36,462,077	$ 331,690,000
OMPA	AG3-2006-028	1159596	CSWS	CSWS	41	6/1/2011	6/1/2031	6/1/2012	6/1/2032			12	0	11SP	$ 7,380,000	5	$ -	$ 11,572,525	$ 669,244,718
OMPA	AG3-2006-050	1162095	OKGE	OKGE	73	6/1/2011	6/1/2031	6/1/2012	6/1/2032			12	0	11SP	$ -	5	$ -	$ 5,344,917	$ 243,340,000
OMPA	AG3-2006-122	1162617	ERCOTE	CSWS	29	5/1/2007	5/1/2012	6/1/2012	6/1/2017			12	0	11SP	$ 5,220,000	5	$ -	$ 6,682,192	$ 666,919,718
OMPA	AG3-2006-109	1162699	ERCOTN	CSWS	29	5/1/2007	5/1/2012	6/1/2012	6/1/2017			12	0	07FA	$ -	6	$ -	$ 29,921,171	$ 524,890,493
OMPA	AG3-2006-110	1162703	KCPL	WR	25	5/1/2007	5/1/2010	6/1/2011	6/1/2014			12	0	07FA	$ -		$ 1,461,600	$ 4,036,788	$ 223,129,000
PNMM	AG3-2006-111	1162691	SECI	BLKW	75	6/1/2011	6/1/2041	6/1/2012	6/1/2042			12	0	11SP	$ -		$ 39,177,000	$ 49,895,024	$ 663,621,017
PNMM	AG3-2006-111	1162692	SECI	BLKW	75	6/1/2011	6/1/2041	6/1/2012	6/1/2042			12	0	11SP	$ -		$ 39,177,000	$ 49,895,024	$ 663,621,017

Table 1 - Long-Term Transmission Service Requests Included the Aggregate System Impact Study

SEPC	AG3-2006-085	1162537	SECI	SECI	50	9/1/2011	9/1/2041	6/1/2012	6/1/2042			12	0	11SP	$ -	7	$ -	$ 2,429,511	$ 528,404,718
SEPC	AG3-2006-084	1162543	SECI	WPEK	150	9/1/2011	9/1/2041	6/1/2012	6/1/2042			12	0	11SP	$ -	8	$ -	$ 21,334,774	$ 533,057,832
SEPC	AG3-2006-113	1162670	WR	SECI	51	12/1/2007	12/1/2027	6/1/2012	6/1/2032			12	0	07WP	$ -	7	$ -	$ 7,852,656	$ 472,760,493
SEPC	AG3-2006-112	1162690	SECI	SPS	75	9/1/2011	9/1/2019	6/1/2012	6/1/2020			12	0	11SP	$ -		$ 10,447,200	$ 37,531,990	$ 334,327,141
SHDY	AG3-2006-082	1162514	OKGE	CSWS	580	6/1/2011	6/1/2016	6/1/2012	6/1/2017			12	0	11SP	$ -		$ 36,540,000	$ 40,870,545	$ 54,270,000
SHDY	AG3-2006-083	1162517	OKGE	EES	49	1/8/2008	1/8/2009					12	49	N/A	$ -		$ 529,200	$ -	$ -
SPSM	AG3-2006-015	1125189	SPS	SPS	604	6/1/2008	6/1/2033	6/1/2012	6/1/2037			12	0	08SP	$ 108,720,000		$ -	$ 27,989,661	$ 474,229,971
SPSM	AG3-2006-115	1162675	OKGE	SPS	100	2/1/2007	2/1/2008	6/1/2012	6/1/2013			12	0	06WP	$ -		$ 1,741,200	$ 42,945,550	$ 602,707,248
SPSM	AG3-2006-116	1162677	OKGE	SPS	150	2/1/2008	2/1/2009	6/1/2012	6/1/2013			12	0	07WP	$ -		$ 2,611,800	$ 64,418,337	$ 602,707,248
SPSM	AG3-2006-114	1162680	CSWS	SPS	100	2/1/2007	2/1/2008	6/1/2012	6/1/2013			12	0	06WP	$ -		$ 1,741,200	$ 40,329,206	$ 600,782,248
UCU	AG3-2006-018D	1104638	MPS	MPS	160	6/1/2010	6/1/2030					12	160	N/A	$ -	7,11	$ -	$ -	$ -
UCU	AG3-2006-025D	1152228	MPS	MPS	585	2/1/2007	2/1/2027	12/1/2008	12/1/2028			12	0	11WP	$ -	7	$ -	$ 4,569,525	$ 8,050,000
UCU	AG3-2006-052D	1162075	WR	MPS	51	1/1/2008	1/1/2028	6/1/2012	6/1/2032			12	0	07WP	$ -	7	$ 19,718,640	$ 5,293,890	$ 603,863,718
UCU	AG3-2006-088D	1162678	WR	MPS	25	1/1/2008	1/1/2028	6/1/2012	6/1/2032			12	0	07WP	$ -	7	$ 9,666,000	$ 2,595,127	$ 603,863,718
UCU	AG3-2006-088D	1162681	WR	MPS	25	1/1/2008	1/1/2028	6/1/2012	6/1/2032			12	0	07WP	$ -	7	$ 9,666,000	$ 2,595,127	$ 603,863,718
WFEC	AG3-2006-019	1152679	WFEC	WFEC	500	5/1/2010	5/1/2035	6/1/2012	6/1/2037			12	0	11SP	$ -	7	$ -	$ 69,400,278	$ 386,295,000
WFEC	AG3-2006-119	1165215	OKGE	WFEC	100	4/1/2007	4/1/2011	6/1/2009	6/1/2013			12	0	07SP	$ -		$ -	$ 11,590,986	$ 275,645,000
WFEC	AG3-2006-120	1165218	CSWS	WFEC	100	4/1/2007	4/1/2011	6/1/2012	6/1/2016			12	0	07SP	$ -		$ -	$ 7,569,694	$ 563,449,718
WRGS	AG3-2006-021D	1129973	EDE	WR	32	5/1/2007	5/1/2008	6/1/2011	6/1/2012			12	0	07SH	$ -		$ -	$ 10,177	$ 3,929,000
WRGS	AG3-2006-022D	1138303	WR	WR	30	6/1/2007	6/1/2012	6/1/2012	6/1/2017			12	0	07SP	$ 5,400,000		$ -	$ 14,411,090	$ 542,994,718
WRGS	AG3-2006-025	1140120	WR	WR	360	5/1/2009	5/1/2015					12	33	11WP	$ -	9	$ -	$ 749,269	$ 3,920,000
WRGS	AG3-2006-024D	1161506	WR	WR	380	5/1/2008	5/1/2014	6/1/2011	6/1/2017			12	0	08SP	$ 68,400,000	9	$ -	$ 790,770	$ 3,940,000
WRGS	AG3-2006-036D	1161997	MPS	WR	300	6/1/2007	6/1/2014	6/1/2011	6/1/2018			12	0	07SH	$ 54,000,000	9	$ -	$ 1,186,306	$ 56,420,000
WRGS	AG3-2006-053D	1162177	MEC	WR	100	3/1/2007	3/1/2008	6/1/2011	6/1/2012			12	0	07SH	$ -		$ -	$ 1,748,907	$ 309,920,000

Note 1: No new resources for base funding consideration.
Note 2: Midwest has a maximum of 385MW total resources for 2007 or 2008 for base plan funding consideration.
Note 3: Midwest has a maximum of 391MW total resources for 2010 for base plan funding consideration.
Note 4: Midwest has a maximum of 393MW total resources for 2011 for base plan funding consideration.
Note 5: OMPA has a maximum cap of 601MW total resources for 2011 for base plan funding consideration. Thus a cap of 70MW of new resurces eligible for base plan funding.
Note 6: Options are mutually exclusive.
Note 7: Resource ratio exceeds 125% load criteria for base funding.
Note 8: Indeterminate due to lack of data from Customer.
Note 9: Westar has a maximum of 7160MW total resources for 2009 base plan consideration. Thus a cap of 920MW new resouces eligible for base plan funding with no base funding for 1140120 if 1161506 and 1161997 confirmed.
Note 10: Studied on behalf of Xcel Energy application for study Dated June 13, 2006
Note 11: Matching Point to Point Service studied 2006-AG2
Note 12: Disregard Redispatch shown in Table 5 for limitations identified earlier than the start date with redispatch with the exception of limitations identified in the 2007 Spring Peak, 2007 April Minimum, 2007 Summer Shoulder, and 2007 Fall Peak

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
AECC	AG3-2006-001

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AECC	1161209	CSWS	CSWS	70	6/1/2011	6/1/2031	6/1/2012	6/1/2032	$ 1,260,000	$ -	$ 10,855,190	$ 366,990,000
									$ 1,260,000	$ -	$ 10,855,190	$ 366,990,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161209	ARKOMA - FT SMITHW 161KV CKT 1	6/1/2011	6/1/2011			$ 316,872	$ 2,900,000
	BULL SHOALS - BULL SHOALS 161KV CKT 1	6/1/2009	6/1/2009			$ 1,400,000	$ 1,400,000
	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 1,078,823	$ 31,000,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 6,032,181	$ 72,900,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 1,254,944	$ 50,000,000
	LANE - TUPELO 138KV CKT 1	6/1/2011	6/1/2011			$ 4,894	$ 200,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 285,674	$ 114,441,767
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2010	6/1/2010			$ 1,361	$ 100,000
	Siloam Springs - South Fayetteville 161 kV	6/1/2008	6/1/2009		No	$ 247,439	$ 490,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 233,002	$ 93,558,233
					Total	$ 10,855,190	$ 366,990,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161209	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161209	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015		
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161209	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
AECC	AG3-2006-002

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AECC	1161136	WR	CSWS	50	12/1/2007	12/1/2027	6/1/2012	6/1/2032	$ 900,000	$ -	$ 1,613,833	$ 231,600,000
									$ 900,000	$ -	$ 1,613,833	$ 231,600,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161136	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2008	6/1/2008			$ 2,476	$ 20,000
	CARTHAGE - SUB 395 - CARTHAGE SOUTHWEST 161KV CKT 1	6/1/2016	6/1/2016			$ -	$ -
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 77	$ 90,000
	KINZE - MCELROY 138KV CKT 1	6/1/2011	6/1/2011			$ 16,096	$ 600,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 796,658	$ 114,441,767
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 12,353	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 12,353	$ 5,000,000
	Siloam Springs - South Fayetteville 161 kV	6/1/2008	6/1/2009		Yes	$ 179,881	$ 490,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 2,191	$ 400,000
	SOONER (SOONER5) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2011	6/1/2011			$ 56,808	$ 5,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 439,742	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 95,198	$ 6,500,000
					Total	$ 1,613,833	$ 231,600,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161136	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2009		No
	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW	12/1/2007	3/1/2009		Yes
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161136	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015		
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2008	6/1/2008		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161136	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No
	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
AECC	AG3-2006-003

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AECC	1161131	WR	EES	50	12/1/2007	12/1/2027	6/1/2012	6/1/2032	$ -	$ 10,800,000	$ 2,048,521	$ 300,999,000
									$ -	$ 10,800,000	$ 2,048,521	$ 300,999,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161131	BUCYRUS - STILWELL 161KV CKT 1	6/1/2011	6/1/2011			$ 185	$ 9,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 318	$ 90,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 841,836	$ 72,900,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 473	$ 2,500,000
	KINZE - MCELROY 138KV CKT 1	6/1/2011	6/1/2011			$ 11,802	$ 600,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 573,882	$ 114,441,767
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 5,557	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 5,557	$ 5,000,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 2,497	$ 400,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 533,502	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 72,912	$ 6,500,000
					Total	$ 2,048,521	$ 300,999,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161131	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161131	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2008	6/1/2008		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161131	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
AEPM	AG3-2006-039

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AEPM	1158760	CSWS	CSWS	160	7/1/2007	7/1/2012	6/1/2012	6/1/2017	$ 28,800,000	$ -	$ 5,453,906	$ 233,700,000
									$ 28,800,000	$ -	$ 5,453,906	$ 233,700,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1158760	ALUMAX TAP - BANN 138KV CKT 1	6/1/2007	4/1/2009		Yes	$ 1,000,000	$ 1,000,000
	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2010	6/1/2010			$ 32,321	$ 2,750,000
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2008	6/1/2008			$ 8,762	$ 20,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2014			$ 356,385	$ 850,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2014			$ 1,006,263	$ 2,400,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 1,640	$ 90,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 468,686	$ 114,441,767
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 36,519	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 36,519	$ 5,000,000
	RIVERSIDE CAPACITOR	6/1/2016	6/1/2016			$ 1,300,000	$ 2,600,000
	Siloam Springs - South Fayetteville 161 kV	6/1/2008	6/1/2009		No	$ 31,340	$ 490,000
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2010	6/1/2010			$ 372,010	$ 2,500,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	2/1/2009		No	$ 112,557	$ 1,500,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	2/1/2009		No	$ 112,558	$ 1,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 578,346	$ 93,558,233
					Total	$ 5,453,906	$ 233,700,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158760	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2009		Yes
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158760	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158760	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
AEPM	AG3-2006-040

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AEPM	1158761	CSWS	CSWS	160	11/1/2007	11/1/2012	6/1/2012	6/1/2017	$ 28,800,000	$ -	$ 4,453,906	$ 232,700,000
									$ 28,800,000	$ -	$ 4,453,906	$ 232,700,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1158761	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2010	6/1/2010			$ 32,321	$ 2,750,000
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2008	6/1/2008			$ 8,762	$ 20,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2014			$ 356,385	$ 850,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2014			$ 1,006,263	$ 2,400,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 1,640	$ 90,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 468,686	$ 114,441,767
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 36,519	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 36,519	$ 5,000,000
	RIVERSIDE CAPACITOR	6/1/2016	6/1/2016			$ 1,300,000	$ 2,600,000
	Siloam Springs - South Fayetteville 161 kV	6/1/2008	6/1/2009		No	$ 31,340	$ 490,000
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2010	6/1/2010			$ 372,010	$ 2,500,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	2/1/2009		No	$ 112,557	$ 1,500,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	2/1/2009		No	$ 112,558	$ 1,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 578,346	$ 93,558,233
					Total	$ 4,453,906	$ 232,700,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158761	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2009		No
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158761	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158761	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
AEPM	AG3-2006-043

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AEPM	1162211	OKGE	CSWS	457	6/1/2011	6/1/2031	6/1/2012	6/1/2032	$ 82,260,000	$ -	$ 24,707,419	$ 249,315,000
									$ 82,260,000	$ -	$ 24,707,419	$ 249,315,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162211	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2010	6/1/2010			$ 93,419	$ 2,750,000
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2008			$ 12,620	$ 75,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 11,632	$ 90,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 46,396	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 9,279	$ 100,000
	KINZE - MCELROY 138KV CKT 1	6/1/2011	6/1/2011			$ 323,802	$ 600,000
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2011	6/1/2011			$ 128,501	$ 300,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 4,550,190	$ 114,441,767
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 34,083	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 34,083	$ 5,000,000
	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2016	6/1/2016			$ 2,525,436	$ 9,000,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 178,038	$ 400,000
	SOONER (SOONER5) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2011	6/1/2011			$ 2,558,961	$ 5,500,000
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2010	6/1/2010			$ 1,005,382	$ 2,500,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	2/1/2009		No	$ 311,006	$ 1,500,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	2/1/2009		No	$ 311,024	$ 1,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 11,438,210	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 1,135,357	$ 6,500,000
					Total	$ 24,707,419	$ 249,315,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162211	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2009		No
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	FIXICO CAPACITOR	6/1/2016	6/1/2016		
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162211	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162211	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
AEPM	AG3-2006-044

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AEPM	1162214	CSWS	CSWS	455	6/1/2011	6/1/2031	6/1/2012	6/1/2032	$ 81,900,000	$ -	$ 51,086,544	$ 375,200,000
									$ 81,900,000	$ -	$ 51,086,544	$ 375,200,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162214	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 3,404,201	$ 31,000,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 38,139,128	$ 72,900,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 7,368,622	$ 50,000,000
	LANE - TUPELO 138kV CKT 1	6/1/2011	6/1/2011			$ 30,239	$ 200,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,030,248	$ 114,441,767
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 76,594	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 76,594	$ 5,000,000
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2010	6/1/2010			$ 19,358	$ 100,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	2/1/2009		No	$ 267,423	$ 1,500,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	2/1/2009		No	$ 267,403	$ 1,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 406,734	$ 93,558,233
					Total	$ 51,086,544	$ 375,200,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162214	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
AEPM	AG3-2006-045

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AEPM	1162223	CSWS	WFEC	15	8/1/2007	8/1/2012	6/1/2012	6/1/2017	$ 2,700,000	$ -	$ 5,727,060	$ 671,874,718
									$ 2,700,000	$ -	$ 5,727,060	$ 671,874,718

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162223	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2010	6/1/2010			$ 2,587	$ 2,750,000
	BLANCHARD - CORNVILLE 138KV CKT 1	6/1/2011	6/1/2011			$ 916,007	$ 10,600,000
	BLANCHARD - MAUD 138KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 1,904,554	$ 35,000,000
	BROWN - BROWN 138KV CKT 1 SWPA	6/1/2011	6/1/2011			$ 3,041	$ 150,000
	BROWN - RUSSETT 138KV CKT 1 SWPA	6/1/2010	6/1/2010			$ 1,812	$ 150,000
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2008			$ 765	$ 75,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 549	$ 90,000
	DOVER SWITCH CAPACITOR	6/1/2011	6/1/2011			$ 765	$ 100,000
	DUNCAN (DUNCAN) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2008	2/1/2009	39722	No	$ 1,800,000	$ 1,800,000
	ELK CITY - MOREWOOD SW 138KV CKT 1 AEPW	12/1/2007	12/1/2008		Yes	$ 4,443	$ 175,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 6,778	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 1,356	$ 100,000
	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	6/1/2008	6/1/2008			$ 9,394	$ 1,005,000
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 176,928	$ 72,900,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 15,778	$ 14,795,676
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		Yes	$ 355,460	$ 50,000,000
	JENSEN ROAD - JENSEN TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 1,231	$ 75,000
	LANE - TUPELO 138KV CKT 1	6/1/2011	6/1/2011			$ 1,154	$ 200,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 49,482	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 112,905	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 2,990	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 22,448	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 22,448	$ 5,000,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 17,447	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 3,443	$ 10,912,514
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 687	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 48,730	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 32,865	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 2,561	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 461	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 540	$ 10,318,679
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 9,445	$ 600,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 204,110	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 10,390	$ 6,500,000
					Total	$ 5,743,554	$ 671,874,718

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162223	ANADARKO - CYRIL 69KV CKT 1	6/1/2009	6/1/2009		
	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	CYRIL - MEDICINE PARK JCT 69KV CKT 1	6/1/2014	6/1/2014		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162223	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2016	6/1/2016		
	ANADARKO 138/69KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	BROWN - EXPLORER TAP 138KV CKT 1	6/1/2008	6/1/2008		
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV CKT 1	12/1/2006	12/1/2006		
	EAST CENTRAL HENRYETTA - WELEETKA 138KV CKT 1	6/1/2007	6/1/2007		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
AEPM	AG3-2006-072

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AEPM	1162484	CSWS	EES	11	1/1/2009	1/1/2014	6/1/2012	6/1/2017	$ 1,980,000	$ -	$ 620,960	$ 286,900,000
									$ 1,980,000	$ -	$ 620,960	$ 286,900,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162484	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2010	6/1/2010			$ 2,778	$ 2,750,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2014			$ 11,674	$ 850,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2014			$ 32,963	$ 2,400,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 417,561	$ 72,900,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 92,260	$ 114,441,767
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 63,724	$ 93,558,233
					Total	$ 620,960	$ 286,900,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162484	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No
	WALTERS CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162484	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2016	6/1/2016		
	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162484	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No
	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
AEPM	AG3-2006-073

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AEPM	1162486	CSWS	EES	25	1/1/2009	1/1/2014	6/1/2012	6/1/2017	$ 4,500,000	$ -	$ 1,414,713	$ 286,900,000
									$ 4,500,000	$ -	$ 1,414,713	$ 286,900,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162486	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2010	6/1/2010			$ 6,147	$ 2,750,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2014			$ 27,251	$ 850,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2014			$ 76,944	$ 2,400,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 940,037	$ 72,900,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 215,590	$ 114,441,767
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 148,744	$ 93,558,233
					Total	$ 1,414,713	$ 286,900,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162486	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No
	WALTERS CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162486	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2016	6/1/2016		
	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162486	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No
	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
AEPM	AG3-2006-074

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AEPM	1162487	CSWS	EES	20	1/1/2009	1/1/2014	6/1/2012	6/1/2017	$ 3,600,000	$ -	$ 1,037,435	$ 286,900,000
									$ 3,600,000	$ -	$ 1,037,435	$ 286,900,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162487	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2010	6/1/2010			$ 5,210	$ 2,750,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2014			$ 20,659	$ 850,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2014			$ 58,331	$ 2,400,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 686,059	$ 72,900,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 152,076	$ 114,441,767
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 115,100	$ 93,558,233
					Total	$ 1,037,435	$ 286,900,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162487	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No
	WALTERS CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162487	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2016	6/1/2016		
	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	**Study Number**
AEPM	AG3-2006-075

Customer	**Reservation**	**POR**	**POD**	**Requested Amount**	**Requested Start Date**	**Requested Stop Date**	**Deferred Start Date Without Redispatch**	**Deferred Stop Date Without Redispatch**	**Potential Base Plan Funding Allowable**	**Point-to-Point Base Rate**	**Total Allocated Cost**	**Total Cost**
AEPM	1162491	CSWS	EES	19	1/1/2009	1/1/2014	6/1/2012	6/1/2017	$ 3,420,000	$ -	$ 1,149,052	$ 286,900,000
									$ 3,420,000	$ -	$ 1,149,052	$ 286,900,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162491	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2010	6/1/2010			$ 4,781	$ 2,750,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2014			$ 21,559	$ 850,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2014			$ 60,872	$ 2,400,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 778,300	$ 72,900,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 165,766	$ 114,441,767
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 117,774	$ 93,558,233
					Total	$ 1,149,052	$ 286,900,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162491	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No
	WALTERS CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162491	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2016	6/1/2016		
	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162491	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No
	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	**Study Number**
AEPM	AG3-2006-076

Customer	**Reservation**	**POR**	**POD**	**Requested Amount**	**Requested Start Date**	**Requested Stop Date**	**Deferred Start Date Without Redispatch**	**Deferred Stop Date Without Redispatch**	**Potential Base Plan Funding Allowable**	**Point-to-Point Base Rate**	**Total Allocated Cost**	**Total Cost**
AEPM	1162492	CSWS	EES	9	1/1/2009	1/1/2014	6/1/2012	6/1/2017	$ 1,620,000	$ -	$ 471,918	$ 289,400,000
									$ 1,620,000	$ -	$ 471,918	$ 289,400,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162492	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2010	6/1/2010			$ 2,498	$ 2,750,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2014			$ 9,239	$ 850,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2014			$ 26,085	$ 2,400,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 316,591	$ 72,900,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 79	$ 2,500,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 65,498	$ 114,441,767
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 51,928	$ 93,558,233
					Total	$ 471,918	$ 289,400,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162492	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No
	WALTERS CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162492	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2016	6/1/2016		
	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer AEPM
Study Number AG3-2006-077

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AEPM	1162494	CSWS	EES	17	1/1/2009	1/1/2014	6/1/2012	6/1/2017	$ 3,060,000	$ -	$ 880,831	$ 289,400,000
									$ 3,060,000	$ -	$ 880,831	$ 289,400,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162494	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2010	6/1/2010			$ 6,240	$ 2,750,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2014			$ 17,759	$ 850,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2014			$ 50,142	$ 2,400,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 590,544	$ 72,900,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 236	$ 2,500,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 113,750	$ 114,441,767
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 102,160	$ 93,558,233
					Total	$ 880,831	$ 289,400,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162494	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No
	WALTERS CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162494	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2016	6/1/2016		
	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

Customer AEPM
Study Number AG3-2006-091

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AEPM	1162766	CSWS	CSWS	100	6/1/2007	6/1/2008	6/1/2009	6/1/2010	$ -	$ 1,260,000	$ 1,426,071	$ 14,200,000
									$ -	$ 1,260,000	$ 1,426,071	$ 14,200,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162766	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 4,638	$ 2,500,000
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2007	6/1/2009		No	$ 1,253,145	$ 8,700,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	2/1/2009		No	$ 84,148	$ 1,500,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	2/1/2009		No	$ 84,140	$ 1,500,000
					Total	$ 1,426,071	$ 14,200,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162766	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162766	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2008	6/1/2010	10/1/2009	No
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 2 Displacement	6/1/2008	6/1/2010	10/1/2009	No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer AEPM
Study Number AG3-2006-092

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AEPM	1162763	CSWS	CSWS	100	6/1/2007	6/1/2008	6/1/2012	6/1/2013	$ -	$ 1,260,000	$ 4,181,207	$ 509,969,718
									$ -	$ 1,260,000	$ 4,181,207	$ 509,969,718

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162763	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2010	6/1/2010			$ 280,201	$ 2,000,000
	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	6/1/2010	6/1/2010			$ 280,195	$ 2,000,000
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2008			$ 2,055	$ 75,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 2,488	$ 90,000
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 40,516	$ 14,795,676
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 4,830	$ 2,500,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 156,046	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 534,835	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 14,165	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 59,070	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 59,070	$ 5,000,000
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2007	6/1/2009		No	$ 1,009,747	$ 8,700,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 53,473	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 9,165	$ 10,912,514
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 2,886	$ 400,000
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2010	6/1/2010			$ 390,852	$ 2,500,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	2/1/2009		No	$ 104,547	$ 1,500,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	2/1/2009		No	$ 104,553	$ 1,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 95,113	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 64,146	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 6,577	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 8,544	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 3,377	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 894,756	$ 93,558,233
					Total	$ 4,181,207	$ 509,969,718

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162763	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162763	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2008	6/1/2010	10/1/2009	No
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV CKT 1	12/1/2006	12/1/2006		
	EAST CENTRAL HENRYETTA - WELEETKA 138KV CKT 1	6/1/2007	6/1/2007		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 2 Displacement	6/1/2008	6/1/2010	10/1/2009	No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer AEPM **Study Number** AG3-2006-094

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AEPM	1163062	CSWS	CSWS	550	6/1/2010	6/1/2015	6/1/2012	6/1/2017	$ 99,000,000	$ -	$ 24,538,130	$ 381,450,000
									$ 99,000,000	$ -	$ 24,538,130	$ 381,450,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1163062	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2010	6/1/2010			$ 2,561,699	$ 2,750,000
	ARSENAL HILL - NORTH MARKET 69KV CKT 1	6/1/2010	6/1/2010			$ 2,500,000	$ 2,500,000
	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2010	6/1/2010			$ 1,719,799	$ 2,000,000
	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	6/1/2010	6/1/2010			$ 1,719,805	$ 2,000,000
	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 2,321,029	$ 31,000,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 6,448,902	$ 72,900,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 6,628,040	$ 50,000,000
	LANE - TUPELO 138KV CKT 1	6/1/2011	6/1/2011			$ 27,535	$ 200,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 105,400	$ 114,441,767
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 123,184	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 123,184	$ 5,000,000
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2010	6/1/2010			$ 23,879	$ 100,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 235,674	$ 93,558,233
					Total	$ 24,538,130	$ 381,450,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1163062	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	PORT ROBSON - REDPOINT 138kV	6/1/2011	6/1/2011		

Customer AEPM **Study Number** AG3-2006-095

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
AEPM	1162768	OKGE	CSWS	100	6/1/2007	6/1/2008	4/1/2009	4/1/2010	$ -	$ 1,260,000	$ 144,948	$ 3,075,000
									$ -	$ 1,260,000	$ 144,948	$ 3,075,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162768	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2008			$ 4,325	$ 75,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	2/1/2009		No	$ 70,316	$ 1,500,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	2/1/2009		No	$ 70,307	$ 1,500,000
					Total	$ 144,948	$ 3,075,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162768	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162768	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	**Study Number**
EXGN	AG3-2006-042D

Customer	**Reservation**	**POR**	**POD**	**Requested Amount**	**Requested Start Date**	**Requested Stop Date**	**Deferred Start Date Without Redispatch**	**Deferred Stop Date Without Redispatch**	**Potential Base Plan Funding Allowable**	**Point-to-Point Base Rate**	**Total Allocated Cost**	**Total Cost**
EXGN	1162087	CSWS	SPS	104	6/1/2007	6/1/2008	6/1/2012	6/1/2013	$ -	$ 1,810,848	$ 593,269	$ 3,677,530
									$ -	$ 1,810,848	$ 593,269	$ 3,677,530

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162087	HOBBS 115 KV Lines	6/1/2008	6/1/2008			$ 593,269	$ 3,677,530
	SPS MUST RUN GENERATION #1	10/1/2007	10/1/2007			$ -	$ -
	SPS MUST RUN GENERATION #2	6/1/2007	6/1/2007			$ -	$ -
	SPS MUST RUN GENERATION #3	12/1/2007	12/1/2007			$ -	$ -
					Total	$ 593,269	$ 3,677,530

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162087	CARLSBAD PLANT 115/69KV TRANSFORMERS	6/1/2007	6/1/2008		No
	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		Yes

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162087	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2008	6/1/2010	10/1/2009	No
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008		
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV CKT 1	12/1/2006	12/1/2006		
	EAST CENTRAL HENRYETTA - WELEETKA 138KV CKT 1	6/1/2007	6/1/2007		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 2 Displacement	6/1/2008	6/1/2010	10/1/2009	No

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162087	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2008	6/1/2008		
	HOBBS Substation and Lines	12/1/2007	6/1/2008		No
	Mustang-San Andr-Amerada Hess 115KV	4/1/2007	6/1/2008		Yes
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		Yes

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer GRDX **Study Number** AG3-2006-032

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
GRDX	1161666	CSWS	GRDA	150	2/1/2007	2/1/2008	6/1/2009	6/1/2010	$ -	$ -	$ 2,564,296	$ 9,010,000
									$ -	$ -	$ 2,564,296	$ 9,010,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161666	Grove Neo 14.4MVAR Cap	6/1/2007	10/1/2008		No	$ 40,692	$ 80,000
	Kansas 7.2MVAR Cap	6/1/2008	10/1/2008		No	$ 25,433	$ 50,000
	Newport 14.4MVAR Cap	6/1/2007	10/1/2008		No	$ 40,355	$ 80,000
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2007	6/1/2009		No	$ 2,407,514	$ 8,700,000
	SCoffeyville Capacitor	10/1/2007	10/1/2007			$ 25,246	$ 50,000
	Turkey Ford 7.2MVAR Cap	6/1/2007	10/1/2008		No	$ 25,056	$ 50,000
					Total	$ 2,564,296	$ 9,010,000

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161666	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2008	6/1/2010	10/1/2009	No
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 2 Displacement	6/1/2008	6/1/2010	10/1/2009	No

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161666	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No
	Ramona 138/69 kV	4/1/2007	10/1/2008		No

Customer GRDX **Study Number** AG3-2006-033

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
GRDX	1161667	OKGE	GRDA	150	2/1/2007	2/1/2008	6/1/2009	6/1/2010	$ -	$ -	$ 1,483,892	$ 9,010,000
									$ -	$ -	$ 1,483,892	$ 9,010,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161667	Grove Neo 14.4MVAR Cap	6/1/2007	10/1/2008		No	$ 39,308	$ 80,000
	Kansas 7.2MVAR Cap	6/1/2008	10/1/2008		No	$ 24,567	$ 50,000
	Newport 14.4MVAR Cap	6/1/2007	10/1/2008		No	$ 39,645	$ 80,000
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2007	6/1/2009		No	$ 1,330,674	$ 8,700,000
	SCoffeyville Capacitor	10/1/2007	10/1/2007			$ 24,754	$ 50,000
	Turkey Ford 7.2MVAR Cap	6/1/2007	10/1/2008		No	$ 24,944	$ 50,000
					Total	$ 1,483,892	$ 9,010,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161667	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161667	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161667	Ramona 138/69 kV	4/1/2007	10/1/2008		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
GSEC	AG3-2006-007

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
GSEC	1154439	SPS	SPS	10	1/1/2008	1/1/2038	6/1/2012	6/1/2042	$ -	$ -	$ 2,710,825	$520,745,546.00
									$ -	$ -	$ 2,710,825	$520,745,546.00

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1154439	Bailey County - Curry County 115 kV	6/1/2007	6/1/2009		No	$ 449,782	$ 11,148,185
	BC-EARTH INTERCHANGE 115KV	6/1/2009	6/1/2009			$ 21,817	$ 750,000
	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 88	$ 2,500,000
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 77,482	$ 1,515,113
	GSEC Deaf Smith Deaf Smith #6 Interconnection	1/1/2008	1/1/2008			$ -	$ -
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	Hart Interchange 115/69 kV	6/1/2011	6/1/2011			$ 32,855	$ 3,500,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 3,393	$ 14,795,676
	HOBBS 115 KV Lines	6/1/2008	6/1/2008			$ 7,618	$ 3,677,530
	HOBBS 230/115KV TRANSFORMER CKT 2	12/1/2011	12/1/2011			$ 13,725	$ 3,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 7,460	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 68,606	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 1,817	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 1,752	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 1,752	$ 5,000,000
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 120	$ 4,200,000
	NORTHEAST HEREFORD INTERCHANGE 115/69KV TRANSFORMER CKT 2	6/1/2008	6/1/2009		No	$ 1,750,000	$ 1,750,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		Yes	$ 168,420	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 16,990	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 15,404	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 10,389	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 551	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 42,231	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 12,209	$ 10,318,679
	WOODRING - MORELAND 345kV	6/1/2011	6/1/2012		No	$ 6,364	$ 93,558,233
					Total	$ 2,710,825	$ 520,745,546

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1154439	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2008	6/1/2009		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1154439	Bailey County - Curry County 115 kV Displacement	6/1/2011	6/1/2011		
	Mustang-San Andr-Amerada Hess 115KV Displacement	4/1/2007	6/1/2008		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
GSEC	AG3-2006-008

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
GSEC	1161197	SECI	SPS	400	9/1/2011	9/1/2041	6/1/2012	6/1/2042	$ 72,000,000	$ -	$ 103,513,156	$ 618,737,945
GSEC	1161198	SECI	SPS	30	9/1/2011	9/1/2041	6/1/2012	6/1/2042	$ 5,400,000	$ -	$ 7,763,491	$ 618,737,945
									$ 77,400,000	$ -	$ 111,276,647	

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161197	BC-EARTH INTERCHANGE 115KV	6/1/2009	6/1/2009			$ 471,196	$ 750,000
	BLANCHARD - MAUD 138KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 6,474,398	$ 35,000,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 6,494	$ 90,000
	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 158,607	$ 2,500,000
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 591,550	$ 1,515,113
	Dumas - RB-Sunray 115 kV	6/1/2011	6/1/2011			$ 855,975	$ 7,500,000
	DUNCAN CAPACITOR	6/1/2011	6/1/2011			$ 60,446	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 14,576	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 2,915	$ 100,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		No	$ 52,232	$ 153,114
	Hart Interchange 115/69 kV	6/1/2011	6/1/2011			$ 2,189,759	$ 3,500,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 4,970,743	$ 14,795,676
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 2,444,976	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 12,549	$ 2,500,000
	JENSEN ROAD - JENSEN TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 10,127	$ 75,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	1/1/2008		No	$ 58,399	$ 150,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 5,510,902	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 30,020,100	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 795,051	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 538,213	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 538,213	$ 5,000,000
	NICHOLS STATION 230/115KV TRANSFORMERS	6/1/2008	12/1/2008		No	$ 315,384	$ 6,000,000
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 434,407	$ 4,200,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 12,392,008	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 2,470,657	$ 10,912,514
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 5,802	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 12,332,443	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 8,317,229	$ 29,000,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 1,110,727	$ 4,500,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 806,855	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 3,160,347	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 4,258,921	$ 10,318,679
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 64,309	$ 600,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 488,744	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 400,246	$ 6,500,000
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2009	10/1/2008	No	$ 1,177,656	$ 3,000,000
					Total	$ 103,513,156	$ 618,737,945
1161198	BC-EARTH INTERCHANGE 115KV	6/1/2009	6/1/2009			$ 35,338	$ 750,000
	BLANCHARD - MAUD 138KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 485,580	$ 35,000,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 487	$ 90,000
	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 11,896	$ 2,500,000
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 44,368	$ 1,515,113
	Dumas - RB-Sunray 115 kV	6/1/2011	6/1/2011			$ 64,198	$ 7,500,000
	DUNCAN CAPACITOR	6/1/2011	6/1/2011			$ 4,533	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 1,093	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 219	$ 100,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		No	$ 3,917	$ 153,114
	Hart Interchange 115/69 kV	6/1/2011	6/1/2011			$ 164,246	$ 3,500,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 372,809	$ 14,795,676
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 183,365	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 940	$ 2,500,000
	JENSEN ROAD - JENSEN TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 760	$ 75,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	1/1/2008		No	$ 4,380	$ 150,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 413,318	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 2,251,507	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 59,629	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 40,366	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 40,366	$ 5,000,000
	NICHOLS STATION 230/115KV TRANSFORMERS	6/1/2008	12/1/2008		No	$ 23,663	$ 6,000,000
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 32,581	$ 4,200,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 929,410	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 185,277	$ 10,912,514
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 435	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 924,933	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 623,792	$ 29,000,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 83,302	$ 4,500,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 60,515	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 237,026	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 319,419	$ 10,318,679
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 4,822	$ 600,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 36,656	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 30,026	$ 6,500,000
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2009	10/1/2008	No	$ 88,319	$ 3,000,000
					Total	$ 7,763,491	$ 618,737,945

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161197	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	KRESS INTERCHANGE 115/69KV TRANSFORMERS	6/1/2011	6/1/2011		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	TUCO INTERCHANGE 115/69KV TRANSFORMER	6/1/2011	6/1/2011		
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		
1161198	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	KRESS INTERCHANGE 115/69KV TRANSFORMERS	6/1/2011	6/1/2011		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	TUCO INTERCHANGE 115/69KV TRANSFORMER	6/1/2011	6/1/2011		
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161197	Hitchland 345 and 115 kV Interchange	6/1/2008	10/1/2009		No
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No
1161198	Hitchland 345 and 115 kV Interchange	6/1/2008	10/1/2009		No
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161197	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2008	6/1/2008		
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		
1161198	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2008	6/1/2008		
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		

Customer **Study Number**
GSEC AG3-2006-097

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
GSEC	1161457	SPS	SPS	20	9/1/2007	9/1/2037	6/1/2012	6/1/2042	$ -	$ -	$ 3,728,431	$ 710,979,971
									$ -	$ -	$ 3,728,431	$ 502,979,971

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161457	BC-EARTH INTERCHANGE 115KV	6/1/2009	6/1/2009			$ 32,354	$ 750,000
	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 213,747	$ 31,000,000
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 5,283	$ 1,515,113
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	GSEC RITA BLANCA Sherman #3 Interconnection	9/1/2007	9/1/2007			$ -	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 492,761	$ 14,795,676
	HOBBS 115 KV Lines	6/1/2008	6/1/2008			$ 14,626	$ 3,677,530
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2008	12/1/2008		Yes	$ 650,307	$ 6,837,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 64,472	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 707,421	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 18,735	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 5,343	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 5,343	$ 5,000,000
	NICHOLS STATION 230/115KV TRANSFORMERS	6/1/2008	12/1/2008		No	$ 125,402	$ 6,000,000
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 542,015	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 213,235	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 143,809	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 79,985	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 292,994	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 63,934	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 43,444	$ 93,558,233
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2009	10/1/2008	Yes	$ 13,221	$ 3,000,000
					Total	$ 3,728,431	$ 502,979,971

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161457	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2008	6/1/2009		No
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Customer **Study Number**
GSEC AG3-2006-098

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
GSEC	1161458	SPS	SPS	20	3/1/2007	3/1/2037	6/1/2012	6/1/2042	$ -	$ -	$ 7,297,918	$ 514,545,546
									$ -	$ -	$ 7,297,918	$ 514,545,546

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161458	Bailey County - Curry County 115 kV	6/1/2007	6/1/2009		No	$ 5,782,779	$ 11,148,185
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 257,294	$ 1,515,113
	GSEC BAILEY COUNTY PROGRESS Interconnection	6/1/2007	6/1/2009		No	$ -	$ -
	GSEC Deaf Smith Deaf Smith #6 Interconnection	1/1/2008	1/1/2008			$ -	$ -
	GSEC RITA BLANCA Sherman #3 Interconnection	9/1/2007	9/1/2007			$ -	$ -
	Hart Interchange 115/69 kV	6/1/2011	6/1/2011			$ 49,903	$ 3,500,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 227	$ 14,795,676
	HOBBS 115 KV Lines	6/1/2008	6/1/2008			$ 21,380	$ 3,677,530
	HOBBS 230/115KV TRANSFORMER CKT 2	12/1/2011	12/1/2011			$ 37,175	$ 3,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 26,692	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 208,069	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 5,510	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 2,163	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 2,163	$ 5,000,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		Yes	$ 643,351	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 41,133	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 31,688	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 21,371	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 37	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 109,950	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 23,507	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 25,540	$ 93,558,233
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2009	10/1/2008	Yes	$ 7,986	$ 3,000,000
					Total	$ 7,297,918	$ 514,545,546

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161458	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		Yes
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2008	6/1/2009		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161458	Bailey County - Curry County 115 kV Displacement	6/1/2011	6/1/2011		
	Mustang-San Andr-Amerada Hess 115KV Displacement	4/1/2007	6/1/2008		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
GSEC	AG3-2006-099

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
GSEC	1161969	SPS	SPS	50	6/1/2007	6/1/2037	6/1/2012	6/1/2042	$ -	$ -	$ 18,628,315	$ 510,549,971
									$ -	$ -	$ 18,628,315	$ 510,549,971

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161969	BC-EARTH INTERCHANGE 115KV	6/1/2009	6/1/2009			$ 95,399	$ 750,000
	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 428,503	$ 31,000,000
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 21,296	$ 1,515,113
	Dumas - RB-Sunray 115 kV	6/1/2011	6/1/2011			$ 6,579,827	$ 7,500,000
	GSEC RB Sunray Interconnection	6/1/2007	6/1/2007			$ 70,000	$ 70,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 526,315	$ 14,795,676
	HOBBS 115 KV Lines	6/1/2008	6/1/2008			$ 39,875	$ 3,677,530
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2008	12/1/2008		Yes	$ 2,685,687	$ 6,837,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 37,642	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 1,445,530	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 38,283	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 32,527	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 32,527	$ 5,000,000
	NICHOLS STATION 230/115KV TRANSFORMERS	6/1/2008	12/1/2008		No	$ 620,065	$ 6,000,000
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 4,306,794	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 342,677	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 231,107	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 85,432	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 713,478	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 131,972	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 127,276	$ 93,558,233
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2009	10/1/2008	Yes	$ 36,103	$ 3,000,000
					Total	$ 18,628,315	$ 510,549,971

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161969	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2008	6/1/2009		No
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
GSEC	AG3-2006-100

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
GSEC	1162688	SPS	SPS	10	3/1/2007	3/1/2037	6/1/2012	6/1/2042	$ -	$ -	$ 5,941,252	$ 561,924,971
									$ -	$ -	$ 5,941,252	$ 561,924,971

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162688	BC-EARTH INTERCHANGE 115KV	6/1/2009	6/1/2009			$ 42,565	$ 750,000
	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 364,524	$ 31,000,000
	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 1,013	$ 2,500,000
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 5,207	$ 1,515,113
	DUNCAN CAPACITOR	6/1/2011	6/1/2011			$ 63	$ 500,000
	ELDORADO - LAKE PAULINE 69KV CKT 1	6/1/2008	6/1/2008			$ 21,837	$ 100,000
	GSEC Midway Interconnection #1	6/1/2007	6/1/2007			$ 70,000	$ 70,000
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	GSEC TRI COUNTY PRAIRIE Interconnection #1	3/1/2007	3/1/2007			$ -	$ -
	GSEC TRI COUNTY PRAIRIE Interconnection #2	3/1/2007	6/1/2008		No	$ 656,249	$ 1,500,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 1,042,881	$ 14,795,676
	HOBBS 115 KV Lines	6/1/2008	6/1/2008			$ 20,679	$ 3,677,530
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 8,611	$ 50,000,000
	JENSEN ROAD - JENSEN TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 378	$ 75,000
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2008	12/1/2008		Yes	$ 305,856	$ 6,837,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 291,902	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 1,241,112	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 32,870	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 31,176	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 31,176	$ 5,000,000
	NICHOLS STATION 230/115KV TRANSFORMERS	6/1/2008	12/1/2008		No	$ 144,841	$ 6,000,000
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 2,805	$ 4,200,000
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 5,946	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 416,212	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 280,701	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 169,281	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 461,159	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 111,261	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 162,236	$ 93,558,233
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2009	10/1/2008	Yes	$ 18,711	$ 3,000,000
					Total	$ 5,941,252	$ 561,924,971

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162688	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2008	6/1/2009		No
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162688	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162688	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2008	6/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer GSEC — **Study Number** AG3-2006-999

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
GSEC	9999999	SPS	SPS	30	6/1/2006	6/1/2037	6/1/2012	6/1/2043	$ -	$ -	$ 6,299,377	$ 691,567,457
									$ -	$ -	$ 6,299,377	$ 691,567,457

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
9999999	BC-EARTH INTERCHANGE 115KV	6/1/2009	6/1/2009			$ 51,331	$ 750,000
	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 445,270	$ 31,000,000
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 5,494	$ 1,515,113
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	GSEC TRI COUNTY PRAIRIE Interconnection #1	3/1/2007	3/1/2007			$ -	$ -
	GSEC TRI COUNTY PRAIRIE Interconnection #2	3/1/2007	6/1/2008		No	$ 843,751	$ 1,500,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 1,249,301	$ 14,795,676
	HOBBS 115 KV Lines	6/1/2008	6/1/2008			$ 23,962	$ 3,677,530
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2008	12/1/2008		Yes	$ 368,303	$ 6,837,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 167,134	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 1,329,747	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 35,217	$ 2,500,000
	NICHOLS STATION 230/115KV TRANSFORMERS	6/1/2008	12/1/2008		No	$ 131,613	$ 6,000,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 445,944	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 300,753	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 202,787	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 494,097	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 119,206	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 63,002	$ 93,558,233
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2009	10/1/2008	Yes	$ 22,465	$ 3,000,000
					Total	$ 6,299,377	$ 483,567,457

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
9999999	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2008	6/1/2009		No
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Customer INDP — **Study Number** AG3-2006-030

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
INDP	1161528	KCPL	INDN	50	6/1/2010	6/1/2040	6/1/2010	6/1/2040	$ -	$ 15,840,000	$ 1,894,696	$ 2,309,000
									$ -	$ 15,840,000	$ 1,894,696	$ 2,309,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161528	BUCYRUS - STILWELL 161KV CKT 1	6/1/2011	6/1/2011			$ 310	$9,000.00
	NASHUA - SMITHVILLE 161KV CKT 1	12/1/2011	12/1/2011			$ 1,729,657	$2,100,000.00
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			$ 164,729	$200,000.00
					Total	$ 1,894,696	$2,309,000.00

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161528	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2007	12/1/2008		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161528	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	6/1/2009	6/1/2009		
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2009	6/1/2009		
	JAGGARD JUNCTION - PENTAGON 115KV CKT 1	6/1/2009	6/1/2009		
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161528	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer KCPS **Study Number** AG3-2006-101

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
KCPS	1162685	AECI	KCPL	50	6/1/2007	6/1/2008	12/1/2008	12/1/2009	$ -	$ -	$ 66,972	$ 4,400,000
KCPS	1162686	AECI	KCPL	50	6/1/2007	6/1/2008	12/1/2008	12/1/2009	$ -	$ -	$ 66,972	$ 4,400,000
									$ -	$ -	$ 133,944	

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162685	COOK - ST JOE 161KV CKT 1	12/1/2006	12/1/2008		No	$ 66,972	$4,400,000.00
					Total	$ 66,972	$4,400,000.00
1162686	COOK - ST JOE 161KV CKT 1	12/1/2006	12/1/2008		No	$ 66,972	$4,400,000.00
					Total	$ 66,972	$4,400,000.00

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162685	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
1162686	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162685	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1162686	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Customer KCPS **Study Number** AG3-2006-102

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
KCPS	1162652	KCPL	MEC	52	2/1/2007	2/1/2008	2/1/2007	2/1/2008	$ -	$ 549,120	$ -	$ -
KCPS	1162653	KCPL	MEC	51	2/1/2007	2/1/2008	2/1/2007	2/1/2008	$ -	$ 538,560	$ -	$ -
									$ -	$ 1,087,680	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162652	None					$ -	$ -
					Total	$ -	$ -
1162653	None					$ -	$ -
					Total	$ -	$ -

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
KCPS	AG3-2006-103

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
KCPS	1162650	KCPL	CLEC	52	2/1/2007	2/1/2008	6/1/2012	6/1/2013	$ -	$ 655,200	$ 1,831,737	$ 521,686,814
KCPS	1162651	KCPL	CLEC	51	2/1/2007	2/1/2008	6/1/2012	6/1/2013	$ -	$ 642,600	$ 1,796,523	$ 521,686,814
									$ -	$ 1,297,800	$ 3,628,260	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162650	BUCYRUS - STILWELL 161KV CKT 1	6/1/2011	6/1/2011			$ 2,358	$ 9,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 266	$ 90,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 114,567	$ 72,900,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 27,973	$ 14,795,676
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 1,614	$ 2,500,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 886,180	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 118,328	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 3,134	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 19,251	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 19,251	$ 5,000,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 605	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 210,166	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 141,740	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 4,541	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 29,501	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 11,500	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 181,794	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 58,968	$ 6,500,000
					Total	$ 1,831,737	$ 521,686,814
1162651	BUCYRUS - STILWELL 161KV CKT 1	6/1/2011	6/1/2011			$ 2,313	$ 9,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 261	$ 90,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 112,385	$ 72,900,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 27,431	$ 14,795,676
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 1,584	$ 2,500,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 869,138	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 116,078	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 3,074	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 18,875	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 18,875	$ 5,000,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 594	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 206,132	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 139,019	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 4,453	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 28,935	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 11,281	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 178,272	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 57,823	$ 6,500,000
					Total	$ 1,796,523	$ 521,686,814

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162650	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2007	12/1/2008		No
1162651	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2007	12/1/2008		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162650	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
1162651	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162650	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
1162651	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
KCPS	AG3-2006-104

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
KCPS	1162654	KCPL	SPA	16	2/1/2007	2/1/2008	6/1/2012	6/1/2013	$ -	$ 172,800	$ 853,480	$ 460,836,814
									$ -	$ 172,800	$ 853,480	$ 460,836,814

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162654	5 TRIBES - HANCOCK 161KV CKT 1	6/1/2010	6/1/2010			$ 14,127	$ 100,000
	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2011	6/1/2011			$ 94,049	$ 2,850,000
	ARKOMA - FT SMITHW 161KV CKT 1	6/1/2011	6/1/2011			$ 93,026	$ 2,900,000
	BUCYRUS - STILWELL 161KV CKT 1	6/1/2011	6/1/2011			$ 713	$ 9,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 14	$ 90,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 8,204	$ 14,795,676
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 261,584	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 20,545	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 544	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 6,223	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 6,223	$ 5,000,000
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2007	6/1/2009		No	$ 176,156	$ 8,700,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 64	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 66,799	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 45,051	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 1,332	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 8,400	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 3,268	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 26,558	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 20,600	$ 6,500,000
					Total	$ 853,480	$ 460,836,814

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162654	STRANGER CREEK TRANSFORMER CKT 2	6/1/2007	12/1/2008		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162654	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2008	6/1/2010	10/1/2009	No
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 2 Displacement	6/1/2008	6/1/2010	10/1/2009	No

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162654	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

Customer	Study Number
KCPS	AG3-2006-105

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
KCPS	1162645	KCPL	KCPL	77	6/1/2009	6/1/2010	6/1/2009	6/1/2010	$ -	$ -	$ -	$ -
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162645	None					$ -	$ -
					Total	$ -	$ -

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162645	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	6/1/2009		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162645	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
KCPS	AG3-2006-106

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
KCPS	1162649	WPEK	KCPL	101	2/1/2007	2/1/2037	6/1/2012	6/1/2042	$ 1,800,000	$ -	$ 27,663,007	$ 598,307,832
									$ 1,800,000	$ -	$ 27,663,007	$ 598,307,832

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162649	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 1,562,607	$ 31,000,000
	COOK - ST JOE 161KV CKT 1	12/1/2006	12/1/2008		Yes	$ 153,464	$ 4,400,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		Yes	$ 37,925	$ 153,114
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 511,145	$ 72,900,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 293,934	$ 14,795,676
	HOYT - JEFFERY ENERGY CENTER 345KV CKT 1 REDISPATCH	4/1/2007	4/1/2007			$ -	$ -
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 6,268	$ 1,000,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	1/1/2008		No	$ 42,402	$ 150,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 8,877,808	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 61,856	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 1,638	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 337,845	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 337,845	$ 5,000,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 671,453	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 83,294	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 4,512,804	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 3,043,519	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 47,712	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 249,189	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 96,881	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 6,733,418	$ 93,558,233
					Total	$ 27,663,007	$ 598,307,832

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162649	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2016	6/1/2016		
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	6/1/2009		Yes
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		Yes
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162649	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	10/1/2007		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
KCPS	AG3-2006-107

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
KCPS	1162701	WR	KCPL	30	6/1/2007	6/1/2008	6/1/2011	6/1/2012	$ -	$ -	$ 852,477	$ 284,299,000
									$ -	$ -	$ 852,477	$ 284,299,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162701	BUCYRUS - STILWELL 161KV CKT 1	6/1/2011	6/1/2011			$ 159	$ 9,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 92	$ 90,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 128,667	$ 72,900,000
	KINZE - MCELROY 138KV CKT 1	6/1/2011	6/1/2011			$ 8,733	$ 600,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 2,670	$ 114,441,767
	NASHUA - SMITHVILLE 161KV CKT 1	12/1/2011	12/1/2011			$ 370,343	$ 2,100,000
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			$ 35,271	$ 200,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 1,460	$ 400,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 305,082	$ 93,558,233
					Total	$ 852,477	$ 284,299,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162701	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	6/1/2009		No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		Yes
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162701	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162701	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
MIDW	AG3-2006-054

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
MIDW	1162201	EES	WR	40	5/1/2010	5/1/2040	6/1/2012	6/1/2042	$ -	$ -	$ 4,786,114	$ 470,790,493
MIDW	1162202	EES	WR	10	5/1/2010	5/1/2040	6/1/2012	6/1/2042	$ -	$ -	$ 1,196,531	$ 470,790,493
MIDW	1162203	EES	WR	23	5/1/2010	5/1/2040	6/1/2012	6/1/2042	$ -	$ -	$ 3,014,883	$ 476,850,493
MIDW	1162204	EES	WR	5	5/1/2010	5/1/2040	6/1/2012	6/1/2042	$ -	$ -	$ 655,474	$ 476,850,493
									$ -	$ -	$ 9,653,002	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162201	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 381,979	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 494	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 48,080	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,940,450	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 18,148	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 481	$ 2,500,000
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2010	6/1/2010			$ 1,358	$ 100,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 767,361	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 517,522	$ 29,000,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 130,109	$ 4,500,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 73,729	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 28,742	$ 10,318,679
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 2,505	$ 600,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 875,156	$ 93,558,233
					Total	$ 4,786,114	$ 470,790,493
1162202	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 95,495	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 124	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 12,020	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 485,112	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 4,537	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 120	$ 2,500,000
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2010	6/1/2010			$ 340	$ 100,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 191,840	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 129,381	$ 29,000,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 32,527	$ 4,500,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 18,432	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 7,185	$ 10,318,679
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 628	$ 600,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 218,790	$ 93,558,233
					Total	$ 1,196,531	$ 470,790,493
1162203	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 43,062	$ 1,200,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 110,201	$ 2,660,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 219,633	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 284	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 27,869	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,115,732	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 10,439	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 276	$ 2,500,000
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2010	6/1/2010			$ 781	$ 100,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 441,237	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 297,579	$ 29,000,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 74,812	$ 4,500,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 42,394	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 16,524	$ 10,318,679
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 1,440	$ 600,000
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 109,410	$ 2,200,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 503,210	$ 93,558,233
					Total	$ 3,014,883	$ 476,850,493
1162204	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 9,387	$ 1,200,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 23,957	$ 2,660,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 47,739	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 61	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 6,059	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 242,556	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 2,287	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 61	$ 2,500,000
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2010	6/1/2010			$ 170	$ 100,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 95,920	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 64,690	$ 29,000,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 16,261	$ 4,500,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 9,216	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 3,597	$ 10,318,679
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 314	$ 600,000
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 23,783	$ 2,200,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 109,416	$ 93,558,233
					Total	$ 655,474	$ 476,850,493

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162201	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
1162202	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
1162203	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
1162204	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162201	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		
1162202	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		
1162203	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		
1162204	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162203	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No
1162204	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
MIDW	AG3-2006-058

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
MIDW	1162131	WR	WR	40	6/1/2010	6/1/2020	6/1/2012	6/1/2022	$ -	$ -	$ 3,606,899	$ 466,790,493
MIDW	1162136	WR	WR	10	6/1/2010	6/1/2020	6/1/2012	6/1/2022	$ -	$ -	$ 901,722	$ 466,790,493
MIDW	1162175	WR	WR	68	6/1/2008	6/1/2038	6/1/2012	6/1/2042	$ -	$ -	$ 6,131,734	$ 466,790,493
MIDW	1162176	WR	WR	16	6/1/2008	6/1/2038	6/1/2012	6/1/2042	$ -	$ -	$ 1,597,917	$ 471,650,493
MIDW	1162183	WR	WR	40	6/1/2010	6/1/2030	6/1/2012	6/1/2032	$ -	$ -	$ 3,994,749	$ 471,650,493
MIDW	1162190	WR	WR	10	6/1/2010	6/1/2030	6/1/2012	6/1/2032	$ -	$ -	$ 998,676	$ 471,650,493
MIDW	1162191	WR	WR	40	6/1/2010	6/1/2030	6/1/2012	6/1/2032	$ -	$ -	$ 3,994,749	$ 471,650,493
MIDW	1162192	WR	WR	10	6/1/2010	6/1/2030	6/1/2012	6/1/2032	$ -	$ -	$ 901,722	$ 466,790,493
MIDW	1162193	WR	WR	20	6/1/2010	6/1/2030	6/1/2012	6/1/2032	$ -	$ -	$ 1,997,403	$ 471,650,493
MIDW	1162194	WR	WR	5	6/1/2010	6/1/2030	6/1/2010	6/1/2030	$ -	$ -	$ -	$ -
									$ -	$ -	$ 7,892,550	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162131	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 89,730	$ 1,200,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 78,523	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 331	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 47,267	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,248,918	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 93,688	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 2,481	$ 2,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 599,238	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 404,137	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 55,872	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 21,784	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 964,930	$ 93,558,233
					Total	$ 3,606,899	$ 466,790,493
1162136	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 22,432	$ 1,200,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 19,631	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 83	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 11,815	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 312,230	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 23,422	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 620	$ 2,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 149,809	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 101,034	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 13,968	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 5,446	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 241,232	$ 93,558,233
					Total	$ 901,722	$ 466,790,493
1162175	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 152,519	$ 1,200,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 133,485	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 562	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 80,353	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 2,123,190	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 159,270	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 4,218	$ 2,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 1,018,702	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 687,031	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 94,983	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 37,033	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 1,640,388	$ 93,558,233
					Total	$ 6,131,734	$ 466,790,493
1162176	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 39,509	$ 1,200,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 73,008	$ 2,660,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 31,402	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 132	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 19,027	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 499,554	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 37,475	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 992	$ 2,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 239,690	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 161,652	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 22,349	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 8,714	$ 10,318,679
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 78,425	$ 2,200,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 385,988	$ 93,558,233
					Total	$ 1,597,917	$ 471,650,493

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

1162183	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 98,692	$ 1,200,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 182,530	$ 2,660,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 78,523	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 331	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 47,569	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,248,918	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 93,688	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 2,481	$ 2,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 599,238	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 404,137	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 55,872	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 21,784	$ 10,318,679
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 196,056	$ 2,200,000
	WOODRING - MORELAND 345kV	6/1/2011	6/1/2012		No	$ 964,930	$ 93,558,233
					Total	$ 3,994,749	$ 471,650,493
1162190	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 24,660	$ 1,200,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 45,637	$ 2,660,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 19,631	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 83	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 11,892	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 312,230	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 23,422	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 620	$ 2,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 149,809	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 101,034	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 13,968	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 5,446	$ 10,318,679
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 49,012	$ 2,200,000
	WOODRING - MORELAND 345kV	6/1/2011	6/1/2012		No	$ 241,232	$ 93,558,233
					Total	$ 998,676	$ 471,650,493
1162191	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 98,692	$ 1,200,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 182,530	$ 2,660,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 78,523	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 331	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 47,569	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,248,918	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 93,688	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 2,481	$ 2,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 599,238	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 404,137	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 55,872	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 21,784	$ 10,318,679
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 196,056	$ 2,200,000
	WOODRING - MORELAND 345kV	6/1/2011	6/1/2012		No	$ 964,930	$ 93,558,233
					Total	$ 3,994,749	$ 471,650,493
1162192	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 22,432	$ 1,200,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 19,631	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 83	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 11,815	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 312,230	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 23,422	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 620	$ 2,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 149,809	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 101,034	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 13,968	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 5,446	$ 10,318,679
	WOODRING - MORELAND 345kV	6/1/2011	6/1/2012		No	$ 241,232	$ 93,558,233
					Total	$ 901,722	$ 466,790,493
1162193	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 49,372	$ 1,200,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 91,265	$ 2,660,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 39,261	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 165	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 23,784	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 624,460	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 46,844	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 1,241	$ 2,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 299,619	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 202,069	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 27,936	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 10,892	$ 10,318,679
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 98,031	$ 2,200,000
	WOODRING - MORELAND 345kV	6/1/2011	6/1/2012		No	$ 482,464	$ 93,558,233
					Total	$ 1,997,403	$ 471,650,493

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162131	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No
1162136	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No
1162175	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No
1162176	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No
1162183	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No
1162190	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No
1162191	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No
1162192	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No
1162193	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162131	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
1162136	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
1162175	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
1162176	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No
1162183	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No
1162190	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No
1162191	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No
1162192	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
1162193	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
MIDW	AG3-2006-062

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
MIDW	1162137	WR	WR	20	6/1/2008	6/1/2038	6/1/2011	6/1/2041	$ -	$ -	$ 1,049,291	$ 418,400,493
MIDW	1162141	WR	WR	5	6/1/2008	6/1/2038	6/1/2038	6/1/2008	$ -	$ -	$ 28,337	$ 413,090,493
MIDW	1162142	WR	WR	40	6/1/2008	6/1/2038	6/1/2011	6/1/2041	$ -	$ -	$ 2,098,590	$ 418,400,493
MIDW	1162143	WR	WR	10	6/1/2008	6/1/2038	6/1/2038	6/1/2008	$ -	$ -	$ 56,547	$ 413,090,493
MIDW	1162144	WR	WR	50	6/1/2008	6/1/2038	6/1/2008	6/1/2038	$ -	$ -	$ 282,735	$ 413,090,493
MIDW	1162149	WR	WR	72	6/1/2010	6/1/2040	6/1/2010	6/1/2040	$ -	$ -	$ 407,124	$ 413,090,493
MIDW	1162155	WR	WR	18	6/1/2010	6/1/2040	6/1/2010	6/1/2040	$ -	$ -	$ 101,801	$ 413,090,493
									$ -	$ -	$ 2,946,797	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162137	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV CKT 1	6/1/2007	6/1/2009		No	$ 833,333	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 23,644	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 24,776	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 21,836	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 578	$ 2,500,000
	NORTHVIEW - SUMMIT 115KV CKT 1	12/1/2006	10/1/2007		No	$ 6,120	$ 610,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 5,868	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 3,958	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 5,126	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 2,010	$ 10,318,679
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 96,672	$ 2,200,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 25,370	$ 93,558,233
					Total	$ 1,049,291	$ 418,400,493
1162141	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 5,892	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 6,228	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 5,459	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 145	$ 2,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 1,467	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 989	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 1,286	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 507	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 6,364	$ 93,558,233
					Total	$ 28,337	$ 413,090,493
1162142	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV CKT 1	6/1/2007	6/1/2009		Yes	$ 1,666,667	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 47,290	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 49,552	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 43,672	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 1,157	$ 2,500,000
	NORTHVIEW - SUMMIT 115KV CKT 1	12/1/2006	10/1/2007		No	$ 12,242	$ 610,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 11,736	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 7,915	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 10,253	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 4,019	$ 10,318,679
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 193,345	$ 2,200,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 50,742	$ 93,558,233
					Total	$ 2,098,590	$ 418,400,493
1162143	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 11,785	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 12,388	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 10,918	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 289	$ 2,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 2,934	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 1,979	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 2,563	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 1,005	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 12,686	$ 93,558,233
					Total	$ 56,547	$ 413,090,493
1162144	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 58,929	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 61,940	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 54,590	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 1,446	$ 2,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 14,670	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 9,894	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 12,816	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 5,024	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 63,426	$ 93,558,233
					Total	$ 282,735	$ 413,090,493
1162149	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 84,859	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 89,180	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 78,602	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 2,082	$ 2,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 21,125	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 14,247	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 18,451	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 7,236	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 91,342	$ 93,558,233
					Total	$ 407,124	$ 413,090,493

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

1162155	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 21,214	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 22,312	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 19,660	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 521	$ 2,500,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 5,281	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 3,562	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 4,618	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 1,807	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 22,826	$ 93,558,233
					Total	$ 101,801	$ 413,090,493

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162137	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
1162141	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
1162142	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
1162143	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
1162144	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
1162149	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
1162155	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162137	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No
1162142	PHILLIPSBURG - RHOADES	6/1/2007	6/1/2008		No
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		Yes

Customer	**Study Number**
MIDW	AG3-2006-069

Customer	**Reservation**	**POR**	**POD**	**Requested Amount**	**Requested Start Date**	**Requested Stop Date**	**Deferred Start Date Without Redispatch**	**Deferred Stop Date Without Redispatch**	**Potential Base Plan Funding Allowable**	**Point-to-Point Base Rate**	**Total Allocated Cost**	**Total Cost**
MIDW	1162580	WR	WR	5	2/1/2007	2/1/2008	2/1/2007	2/1/2008	$ -	$ 97,440	$ -	$ -
									$ -	$ 97,440	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162580	None					$ -	$ -
					Total	$ -	$ -

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
MIDW	AG3-2006-070

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
MIDW	1162581	WR	WR	1	2/1/2007	2/1/2008	6/1/2012	6/1/2013	$ -	$ 19,488	$ 48,008	$ 582,207,832
									$ -	$ 19,488	$ 48,008	$ 582,207,832

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162581	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 2,395	$ 31,000,000
	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 573	$ 2,500,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		Yes	$ 184	$ 153,114
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 839	$ 14,795,676
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 67	$ 50,000,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 14,994	$ 1,000,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	1/1/2008		No	$ 205	$ 150,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 3,628	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 5,422	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 144	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 68	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 68	$ 5,000,000
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 750	$ 4,200,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 2,030	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 224	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 1,027	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 693	$ 29,000,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 6,155	$ 4,500,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 136	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 1,162	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 456	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 6,788	$ 93,558,233
					Total	$ 48,008	$ 582,207,832

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162581	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		Yes
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162581	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	10/1/2007		No

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162581	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		Yes

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
MIDW	AG3-2006-071

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
MIDW	1162582	WR	WR	1	2/1/2007	2/1/2008	6/1/2012	6/1/2013	$ -	$ 19,488	$ 24,541	$ 571,207,832
									$ -	$ 19,488	$ 24,541	$ 571,207,832

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162582	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 1,891	$ 31,000,000
	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 485	$ 2,500,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		Yes	$ 113	$ 153,114
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 694	$ 14,795,676
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 150	$ 50,000,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	1/1/2008		No	$ 126	$ 150,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,574	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 4,869	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 129	$ 2,500,000
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 576	$ 4,200,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 1,678	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 179	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 24	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 16	$ 29,000,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 5,828	$ 4,500,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 113	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 998	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 388	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 4,710	$ 93,558,233
					Total	$ 24,541	$ 571,207,832

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162582	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		Yes
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162582	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	10/1/2007		No

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162582	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		Yes

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
MIDW	AG3-2006-078

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
MIDW	1162168	SECI	WR	75	9/1/2011	9/1/2041	6/1/2012	6/1/2042	$ -	$ -	$ 10,210,464	$ 501,207,832
									$ -	$ -	$ 10,210,464	$ 501,207,832

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162168	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 52,296	$ 2,500,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		No	$ 20,917	$ 153,114
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 204,004	$ 14,795,676
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 99,413	$ 1,000,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	1/1/2008		No	$ 23,387	$ 150,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 2,608,166	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 866,986	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 22,961	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 85,468	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 85,468	$ 5,000,000
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 165,675	$ 4,200,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 482,933	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 58,838	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 1,137,141	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 766,909	$ 29,000,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 672,314	$ 4,500,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 33,114	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 248,546	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 97,210	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 2,478,718	$ 93,558,233
					Total	$ 10,210,464	$ 501,207,832

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162168	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162168	Hitchland 345 and 115 kV Interchange	6/1/2008	10/1/2009		No
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	10/1/2007		No
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
MIDW	AG3-2006-086

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
MIDW	1162102	WR	WR	25	6/1/2007	6/1/2017	6/1/2012	6/1/2022	$ -	$ -	$ 3,372,212	$ 476,740,493
									$ -	$ -	$ 3,372,212	$ 476,740,493

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162102	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 40,675	$ 1,200,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 212	$ 90,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 170,641	$ 2,660,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		No	$ 73,127	$ 2,400,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2008		No	$ 288,990	$ 2,200,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 26,955	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 202	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 29,597	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 841,282	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 96,565	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 2,557	$ 2,500,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 752	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 449,428	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 303,103	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 41,780	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 16,296	$ 10,318,679
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 170,472	$ 2,200,000
	WOODRING - MORELAND 345kV	6/1/2011	6/1/2012		No	$ 819,578	$ 93,558,233
					Total	$ 3,372,212	$ 476,740,493

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162102	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	3/1/2008		No
	GILLJCT269.0 - OATVILLE 69KV CKT 1	6/1/2014	6/1/2014		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162102	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162102	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
MIDW	AG3-2006-087

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
MIDW	1162103	WR	WR	40	6/1/2008	6/1/2018	6/1/2012	6/1/2022	$ -	$ -	$ 5,395,590	$ 476,740,493
MIDW	1162109	WR	WR	10	6/1/2008	6/1/2018	6/1/2012	6/1/2022	$ -	$ -	$ 1,348,913	$ 476,740,493
MIDW	1162112	WR	WR	40	6/1/2008	6/1/2018	6/1/2012	6/1/2022	$ -	$ -	$ 5,395,590	$ 476,740,493
MIDW	1162122	WR	WR	10	6/1/2008	6/1/2018	6/1/2012	6/1/2022	$ -	$ -	$ 1,348,913	$ 476,740,493
MIDW	1162123	WR	WR	19	6/1/2008	6/1/2018	6/1/2012	6/1/2022	$ -	$ -	$ 2,245,667	$ 471,880,493
MIDW	1162130	WR	WR	6	6/1/2008	6/1/2018	6/1/2012	6/1/2022	$ -	$ -	$ 709,139	$ 471,880,493
									$ -	$ -	$ 11,048,222	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162103	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 65,070	$ 1,200,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 340	$ 90,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 273,026	$ 2,660,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		No	$ 117,003	$ 2,400,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2008		No	$ 462,413	$ 2,200,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 43,141	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 324	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 47,356	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,346,106	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 154,475	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 4,091	$ 2,500,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 1,203	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 719,095	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 484,971	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 66,855	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 26,074	$ 10,318,679
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 272,755	$ 2,200,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 1,311,292	$ 93,558,233
					Total	$ 5,395,590	$ 476,740,493
1162109	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 16,281	$ 1,200,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 85	$ 90,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 68,257	$ 2,660,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		No	$ 29,251	$ 2,400,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2008		No	$ 115,603	$ 2,200,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 10,785	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 82	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 11,838	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 336,526	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 38,619	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 1,023	$ 2,500,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 301	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 179,774	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 121,243	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 16,714	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 6,518	$ 10,318,679
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 68,189	$ 2,200,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 327,824	$ 93,558,233
					Total	$ 1,348,913	$ 476,740,493
1162112	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 65,070	$ 1,200,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 340	$ 90,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 273,026	$ 2,660,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		No	$ 117,003	$ 2,400,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2008		No	$ 462,413	$ 2,200,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 43,141	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 324	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 47,356	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,346,106	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 154,475	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 4,091	$ 2,500,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 1,203	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 719,095	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 484,971	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 66,855	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 26,074	$ 10,318,679
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 272,755	$ 2,200,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 1,311,292	$ 93,558,233
					Total	$ 5,395,590	$ 476,740,493

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

1162122	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 16,281	$ 1,200,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 85	$ 90,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 68,257	$ 2,660,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		No	$ 29,251	$ 2,400,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2008		No	$ 115,603	$ 2,200,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 10,785	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 82	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 11,838	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 336,526	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 38,619	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 1,023	$ 2,500,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 301	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 179,774	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 121,243	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 16,714	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 6,518	$ 10,318,679
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 68,189	$ 2,200,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 327,824	$ 93,558,233
					Total	$ 1,348,913	$ 476,740,493
1162123	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 21,478	$ 1,200,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 162	$ 90,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		No	$ 48,480	$ 2,400,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2008		No	$ 178,407	$ 2,200,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 20,500	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 154	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 22,291	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 639,380	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 73,365	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 1,943	$ 2,500,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 572	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 341,576	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 230,365	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 31,757	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 12,387	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 622,850	$ 93,558,233
					Total	$ 2,245,667	$ 471,880,493
1162130	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		No	$ 6,788	$ 1,200,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 51	$ 90,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		No	$ 15,307	$ 2,400,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2008		No	$ 56,339	$ 2,200,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 6,471	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 48	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 7,038	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 201,902	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 23,164	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 613	$ 2,500,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 181	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 107,864	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 72,746	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 10,032	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 3,909	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 196,686	$ 93,558,233
					Total	$ 709,139	$ 471,880,493

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162103	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	3/1/2008		No
	GILLJCT269.0 - OATVILLE 69KV CKT 1	6/1/2014	6/1/2014		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
1162109	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	3/1/2008		No
	GILLJCT269.0 - OATVILLE 69KV CKT 1	6/1/2014	6/1/2014		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
1162112	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	3/1/2008		No
	GILLJCT269.0 - OATVILLE 69KV CKT 1	6/1/2014	6/1/2014		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

1162122	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	3/1/2008		No
	GILLJCT269.0 - OATVILLE 69KV CKT 1	6/1/2014	6/1/2014		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
1162123	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	3/1/2008		No
	GILLJCT269.0 - OATVILLE 69KV CKT 1	6/1/2014	6/1/2014		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
1162130	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	3/1/2008		No
	GILLJCT269.0 - OATVILLE 69KV CKT 1	6/1/2014	6/1/2014		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162103	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1162109	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1162112	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1162122	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1162123	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1162130	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162103	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No
1162109	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No
1162112	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No
1162122	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No
1162123	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
1162130	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
MIDW	AG3-2006-121

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
MIDW	1167662	WR	WR	35	2/1/2007	2/1/2012	6/1/2012	6/1/2017	$ -	$ -	$ 5,128,160	$ 479,740,493
MIDW	1167664	WR	WR	10	2/1/2007	2/1/2012	6/1/2012	6/1/2017	$ -	$ -	$ 1,465,281	$ 479,740,493
									$ -	$ -	$ 6,593,441	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1167662	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		Yes	$ 56,903	$ 1,200,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 298	$ 90,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 238,898	$ 2,660,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		No	$ 102,377	$ 2,400,000
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1	6/1/2007	6/1/2009		No	$ 407,025	$ 3,000,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2008		No	$ 404,629	$ 2,200,000
	HOYT - JEFFERY ENERGY CENTER 345KV CKT 1 REDISPATCH	4/1/2007	4/1/2007			$ -	$ -
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 37,757	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 284	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 41,438	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,177,876	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 135,147	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 3,579	$ 2,500,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 1,053	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 629,214	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 424,354	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 58,493	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 22,814	$ 10,318,679
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 238,661	$ 2,200,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 1,147,360	$ 93,558,233
					Total	$ 5,128,160	$ 479,740,493
1167664	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		Yes	$ 16,281	$ 1,200,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 85	$ 90,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 68,257	$ 2,660,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		No	$ 29,251	$ 2,400,000
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1	6/1/2007	6/1/2009		No	$ 116,368	$ 3,000,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2008		No	$ 115,603	$ 2,200,000
	HOYT - JEFFERY ENERGY CENTER 345KV CKT 1 REDISPATCH	4/1/2007	4/1/2007			$ -	$ -
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 10,785	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 82	$ 2,500,000
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No	$ 11,838	$ 1,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 336,526	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 38,619	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 1,023	$ 2,500,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 301	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 179,774	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 121,243	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 16,714	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 6,518	$ 10,318,679
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2008			$ 68,189	$ 2,200,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 327,824	$ 93,558,233
					Total	$ 1,465,281	$ 479,740,493

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1167662	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		Yes
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 2	6/1/2007	6/1/2009		No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	3/1/2008		No
	GILLJCT269.0 - OATVILLE 69KV CKT 1	6/1/2014	6/1/2014		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		Yes
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
1167664	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		Yes
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 2	6/1/2007	6/1/2009		No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	3/1/2008		No
	GILLJCT269.0 - OATVILLE 69KV CKT 1	6/1/2014	6/1/2014		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		Yes
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1167662	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1167664	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1167662	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		Yes
1167664	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		Yes

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer **Study Number**
NTEC AG3-2006-035

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
NTEC	1161974	CSWS	CSWS	52	6/1/2011	6/1/2031	6/1/2012	6/1/2032	$ 9,360,000	$ -	$ 3,866,283	$ 338,900,000
									$ 9,360,000	$ -	$ 3,866,283	$ 338,900,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161974	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 3,178,498	$ 72,900,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 124,974	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 5,549	$ 2,500,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 72,958	$ 114,441,767
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2010	6/1/2010			$ 359,746	$ 2,500,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	2/1/2009		No	$ 55,573	$ 1,500,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	2/1/2009		No	$ 55,579	$ 1,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 13,406	$ 93,558,233
					Total	$ 3,866,283	$ 338,900,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161974	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2009		No
	CARTHAGE REC - ROCK HILL 138KV CKT 1	6/1/2016	6/1/2016		
	DAINGERFIELD - JENKINS REC T 69KV CKT 1	6/1/2011	6/1/2011		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No

Customer **Study Number**
OGE AG3-2006-034

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
OGE	1161665	OKGE	SPA	20	2/1/2007	2/1/2012	6/1/2012	6/1/2017	$ -	$ 1,080,000	$ 39,035,100	$ 333,247,000
									$ -	$ 1,080,000	$ 39,035,100	$ 333,247,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161665	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2014			$ 29,090	$ 850,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2014			$ 82,137	$ 2,400,000
	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2016	6/1/2016			$ 29,000,000	$ 29,000,000
	FIXICO TAP - MAUD 138KV CKT 1 AEPW	6/1/2015	6/1/2015			$ 8,500,000	$ 8,500,000
	FIXICO TAP - MAUD 138KV CKT 1 OKGE	6/1/2015	6/1/2015			$ 20,000	$ 20,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 479,838	$ 72,900,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 363	$ 2,500,000
	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2007	2/1/2008		No	$ 2,000	$ 2,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 563,958	$ 114,441,767
	PARK LANE - SEMINOLE 138KV CKT 1	6/1/2011	6/1/2011			$ 66,847	$ 300,000
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2007	6/1/2009		No	$ 95,123	$ 8,700,000
	SEMINOLE - VANOSS 138KV CKT 1	6/1/2016	6/1/2016			$ 75,000	$ 75,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 120,744	$ 93,558,233
					Total	$ 39,035,100	$ 333,247,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161665	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	FIXICO CAPACITOR	6/1/2016	6/1/2016		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161665	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2008	6/1/2010	10/1/2009	No
	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	6/1/2006	4/1/2008		No
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	6/1/2006	4/1/2008		No
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 2 Displacement	6/1/2008	6/1/2010	10/1/2009	No
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161665	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No
	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

Customer **Study Number**
OGE AG3-2006-049

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
OGE	1162077	OKGE	OKGE	384	6/1/2011	6/1/2031	6/1/2012	6/1/2032	$ 69,120,000	$ -	$ 36,462,077	$ 331,690,000
									$ 69,120,000	$ -	$ 36,462,077	$ 331,690,000

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162077	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2011	6/1/2011			$ 2,181,904	$ 2,850,000
	ARKOMA - FT SMITHW 161KV CKT 1	6/1/2011	6/1/2011			$ 2,448,124	$ 2,900,000
	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 2,516,118	$ 31,000,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 8,748	$ 90,000
	COLONY - FT SMITH 161KV CKT 1	6/1/2010	6/1/2010			$ 1,500,000	$ 1,500,000
	DOVER SWITCH CAPACITOR	6/1/2011	6/1/2011			$ 18,092	$ 100,000
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 290,583	$ 850,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 73,958	$ 50,000,000
	KINZE - MCELROY 138KV CKT 1	6/1/2011	6/1/2011			$ 217,012	$ 600,000
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2011	6/1/2011			$ 105,887	$ 300,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 6,935,990	$ 114,441,767
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 321,517	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 321,517	$ 5,000,000
	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2016	6/1/2016			$ 5,307,310	$ 9,000,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 157,011	$ 400,000
	SOONER (SOONER5) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2011	6/1/2011			$ 2,150,438	$ 5,500,000
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 19,971	$ 600,000
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 357,121	$ 1,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 9,668,636	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 1,862,140	$ 6,500,000
					Total	$ 36,462,077	$ 331,690,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162077	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162077	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
OMPA	AG3-2006-028

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
OMPA	1159596	CSWS	CSWS	41	6/1/2011	6/1/2031	6/1/2012	6/1/2032	$ 7,380,000	$ -	$ 11,572,525	$ 669,244,718
									$ 7,380,000	$ -	$ 11,572,525	$ 669,244,718

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1159596	BLANCHARD - CORNVILLE 138KV CKT 1	6/1/2011	6/1/2011			$ 1,629,604	$ 10,600,000
	BLANCHARD - MAUD 138KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 3,388,259	$ 35,000,000
	BROWN - BROWN 138KV CKT 1 SWPA	6/1/2011	6/1/2011			$ 8,036	$ 150,000
	BROWN - RUSSETT 138KV CKT 1 SWPA	6/1/2010	6/1/2010			$ 13,088	$ 150,000
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2008			$ 306	$ 75,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 909	$ 90,000
	DOVER SWITCH CAPACITOR	6/1/2011	6/1/2011			$ 1,261	$ 100,000
	DUNCAN CAPACITOR	6/1/2011	6/1/2011			$ 133,687	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 5,385	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 1,077	$ 100,000
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 3,405,786	$ 72,900,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 45,466	$ 14,795,676
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 1,472,939	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 2,442	$ 2,500,000
	JENSEN ROAD - JENSEN TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 1,947	$ 75,000
	LANE - TUPELO 138KV CKT 1	6/1/2011	6/1/2011			$ 4,549	$ 200,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 238,998	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 354,098	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 9,378	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 54,266	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 54,266	$ 5,000,000
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2010	6/1/2010			$ 1,686	$ 100,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 28,805	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 8,853	$ 10,912,514
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 965	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 90,859	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 61,277	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 7,380	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 15,360	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 8,646	$ 10,318,679
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 869	$ 600,000
	WOODRING - MORELAND 345kV	6/1/2011	6/1/2012		No	$ 482,294	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 39,784	$ 6,500,000
					Total	$ 11,572,525	$ 669,244,718

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1159596	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	WALTERS CAPACITOR	6/1/2011	6/1/2011		
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1159596	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer OMPA **Study Number** AG3-2006-050

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
OMPA	1162095	OKGE	OKGE	73	6/1/2011	6/1/2031	6/1/2012	6/1/2032	$ -	$ -	$ 5,344,917	$ 243,340,000
									$ -	$ -	$ 5,344,917	$ 243,340,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162095	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 390	$ 90,000
	DOVER SWITCH CAPACITOR	6/1/2011	6/1/2011			$ 4,163	$ 100,000
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 68,908	$ 850,000
	KINZE - MCELROY 138KV CKT 1	6/1/2011	6/1/2011			$ 22,555	$ 600,000
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2011	6/1/2011			$ 59,538	$ 300,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 934,772	$ 114,441,767
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 68,687	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 68,687	$ 5,000,000
	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2016	6/1/2016			$ 1,167,254	$ 9,000,000
	OXFORD CAPACITORS	6/1/2011	6/1/2011			$ 260,404	$ 500,000
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 25,960	$ 400,000
	SOONER (SOONER5) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2011	6/1/2011			$ 703,568	$ 5,500,000
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 89,376	$ 1,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 1,323,892	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 546,763	$ 6,500,000
					Total	$ 5,344,917	$ 243,340,000

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162095	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

Customer OMPA **Study Number** AG3-2006-109

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
OMPA	1162699	ERCOTN	CSWS	29	5/1/2007	5/1/2012	6/1/2012	6/1/2017	$ -	$ -	$ 29,921,171	$ 524,890,493
									$ -	$ -	$ 29,921,171	$ 524,890,493

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162699	BLANCHARD - CORNVILLE 138KV CKT 1	6/1/2011	6/1/2011			$ 688,027	$ 10,600,000
	BLANCHARD - MAUD 138KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 1,430,541	$ 35,000,000
	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 1,188,249	$ 31,000,000
	DUNCAN CAPACITOR	6/1/2011	6/1/2011			$ 83,519	$ 500,000
	ERCOTN - SPP DC Tie Expansion	6/1/2007	6/1/2011		No	$ 24,500,000	$ 24,500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 3,236	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 647	$ 100,000
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 415,850	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 901,842	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 23,884	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 53,052	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 53,052	$ 5,000,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 24,463	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 16,498	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 140,449	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 59,400	$ 10,318,679
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 754	$ 600,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 337,708	$ 93,558,233
					Total	$ 29,921,171	$ 524,890,493

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162699	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	WALTERS CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162699	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
OMPA	AG3-2006-110

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
OMPA	1162703	KCPL	WR	25	5/1/2007	5/1/2010	6/1/2011	6/1/2014	$ -	$ 1,461,600	$ 4,036,788	$ 222,519,000
									$ -	$ 1,461,600	$ 4,036,788	$ 222,519,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162703	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2006	6/1/2008		Yes	$ 244,688	$ 1,200,000
	BOEING - STEARMAN 138KV CKT 1	6/1/2007	6/1/2008		No	$ 2,897	$ 300,000
	BUCYRUS - STILWELL 161KV CKT 1	6/1/2011	6/1/2011			$ 1,700	$ 9,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		No	$ 63,801	$ 2,400,000
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1	6/1/2007	6/1/2009		No	$ 2,476,607	$ 3,000,000
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2011	6/1/2011			$ 6,074	$ 300,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 163,028	$ 114,441,767
	NORTHVIEW - SUMMIT 115KV CKT 1	12/1/2006	10/1/2007		No	$ 37,110	$ 610,000
	OXFORD CAPACITORS	6/1/2011	6/1/2011			$ 239,596	$ 500,000
	SOONER (SOONER5) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2011	6/1/2011			$ 30,225	$ 5,500,000
	TIMBER JUNCTION - UDALL 69KV CKT 1	6/1/2008	6/1/2008			$ 700,000	$ 700,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 71,062	$ 93,558,233
					Total	$ 4,036,788	$ 222,519,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162703	CRESWELL (CRESWL2X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2007	4/1/2009		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 2	6/1/2007	6/1/2009		No
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2007	12/1/2008		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2007	12/1/2008		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162703	BELL - PECK 69KV CKT 1	6/1/2007	6/1/2007	10/1/2006	
	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2009	10/1/2006	No
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2008	6/1/2008		
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2009	10/1/2006	No

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162703	GILL ENERGY CENTER WEST - PECK 69KV CKT 1	6/1/2007	6/1/2008		No
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2007	6/1/2008		No
	RICHLAND - UDALL 69KV CKT 1	6/1/2007	5/1/2009		No
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	6/1/2008		No
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	4/1/2007			No
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
OMPA	AG3-2006-122

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
OMPA	1162617	ERCOTE	CSWS	29	5/1/2007	5/1/2012	6/1/2012	6/1/2017	$ 5,220,000	$ -	$ 6,682,192	$ 666,919,718
									$ 5,220,000	$ -	$ 6,682,192	$ 666,919,718

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162617	BLANCHARD - CORNVILLE 138KV CKT 1	6/1/2011	6/1/2011			$ 1,181,956	$ 10,600,000
	BLANCHARD - MAUD 138KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 2,457,512	$ 35,000,000
	BROWN - BROWN 138KV CKT 1 SWPA	6/1/2011	6/1/2011			$ 5,578	$ 150,000
	BROWN - RUSSETT 138KV CKT 1 SWPA	6/1/2010	6/1/2010			$ 8,620	$ 150,000
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2008			$ 319	$ 75,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 670	$ 90,000
	DOVER SWITCH CAPACITOR	6/1/2011	6/1/2011			$ 926	$ 100,000
	DUNCAN CAPACITOR	6/1/2011	6/1/2011			$ 96,934	$ 500,000
	ELK CITY - MOREWOOD SW 138KV CKT 1 AEPW	12/1/2007	12/1/2008		Yes	$ 9,617	$ 175,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 3,980	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 796	$ 100,000
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 773,264	$ 72,900,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 33,510	$ 14,795,676
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		Yes	$ 1,047,952	$ 50,000,000
	JENSEN ROAD - JENSEN TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 1,415	$ 75,000
	LANE - TUPELO 138KV CKT 1	6/1/2011	6/1/2011			$ 3,205	$ 200,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 158,990	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 259,081	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 6,861	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 39,691	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 39,691	$ 5,000,000
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2010	6/1/2010			$ 1,239	$ 100,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 22,248	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 6,528	$ 10,912,514
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 715	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 69,526	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 46,889	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 5,439	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 10,550	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 6,046	$ 10,318,679
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 1,263	$ 600,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 351,878	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 29,303	$ 6,500,000
					Total	$ 6,682,192	$ 666,919,718

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162617	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	WALTERS CAPACITOR	6/1/2011	6/1/2011		
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1162617	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	BROWN - EXPLORER TAP 138KV CKT 1	6/1/2008	6/1/2008
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
PNMM	AG3-2006-111

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
PNMM	1162691	SECI	BLKW	75	6/1/2011	6/1/2041	6/1/2012	6/1/2042	$ -	$ 39,177,000	$ 49,895,024	$ 663,621,017
PNMM	1162692	SECI	BLKW	75	6/1/2011	6/1/2041	6/1/2012	6/1/2042	$ -	$ 39,177,000	$ 49,895,024	$ 663,621,017
									$ -	$ 78,354,000	$ 99,790,048	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162691	Bailey County - Curry County 115 kV	6/1/2007	6/1/2009		No	$ 2,457,812	$ 11,148,185
	BLANCHARD - MAUD 138KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 1,184,163	$ 35,000,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 1,167	$ 90,000
	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 28,748	$ 2,500,000
	DUNCAN CAPACITOR	6/1/2011	6/1/2011			$ 10,697	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 2,687	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 537	$ 100,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		No	$ 9,436	$ 153,114
	GSEC Deaf Smith Deaf Smith #6 Interconnection	1/1/2008	1/1/2008			$ -	$ -
	Hart Interchange 115/69 kV	6/1/2011	6/1/2011			$ 89,378	$ 3,500,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 679,481	$ 14,795,676
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 438,999	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 2,226	$ 2,500,000
	JENSEN ROAD - JENSEN TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 1,909	$ 75,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	1/1/2008		No	$ 10,551	$ 150,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,012,248	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 5,461,956	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 144,654	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 100,205	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 100,205	$ 5,000,000
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 78,761	$ 4,200,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 5,430,641	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 291,060	$ 10,912,514
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 1,055	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 2,252,912	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 1,519,406	$ 29,000,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 200,383	$ 4,500,000
	SPP - BLACKWATER DC Tie Expansion	6/1/2011	6/1/2011			$ 26,250,000	$ 52,500,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 110,294	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 1,518,925	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 332,591	$ 10,318,679
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 11,607	$ 600,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 85,912	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 74,418	$ 6,500,000
					Total	$ 49,895,024	$ 663,621,017
1162692	Bailey County - Curry County 115 kV	6/1/2007	6/1/2009		No	$ 2,457,812	$ 11,148,185
	BLANCHARD - MAUD 138KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 1,184,163	$ 35,000,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 1,167	$ 90,000
	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 28,748	$ 2,500,000
	DUNCAN CAPACITOR	6/1/2011	6/1/2011			$ 10,697	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 2,687	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 537	$ 100,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		No	$ 9,436	$ 153,114
	GSEC Deaf Smith Deaf Smith #6 Interconnection	1/1/2008	1/1/2008			$ -	$ -
	Hart Interchange 115/69 kV	6/1/2011	6/1/2011			$ 89,378	$ 3,500,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 679,481	$ 14,795,676
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 438,999	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 2,226	$ 2,500,000
	JENSEN ROAD - JENSEN TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 1,909	$ 75,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	1/1/2008		No	$ 10,551	$ 150,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,012,248	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 5,461,956	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 144,654	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 100,205	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 100,205	$ 5,000,000
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 78,761	$ 4,200,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 5,430,641	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 291,060	$ 10,912,514
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 1,055	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 2,252,912	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 1,519,406	$ 29,000,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 200,383	$ 4,500,000
	SPP - BLACKWATER DC Tie Expansion	6/1/2011	6/1/2011			$ 26,250,000	$ 52,500,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 110,294	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 1,518,925	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 332,591	$ 10,318,679
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 11,607	$ 600,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 85,912	$ 93,558,233
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 74,418	$ 6,500,000
					Total	$ 49,895,024	$ 663,621,017

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162691	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2008	6/1/2009		No
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		
1162692	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2008	6/1/2009		No
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162691	Bailey County - Curry County 115 kV Displacement	6/1/2011	6/1/2011		
	Hitchland 345 and 115 kV Interchange	6/1/2008	10/1/2009		No
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No
1162692	Bailey County - Curry County 115 kV Displacement	6/1/2011	6/1/2011		
	Hitchland 345 and 115 kV Interchange	6/1/2008	10/1/2009		No
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162691	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2008	6/1/2008		
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		
1162692	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2008	6/1/2008		
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	**Study Number**
SEPC	AG3-2006-084

Customer	**Reservation**	**POR**	**POD**	**Requested Amount**	**Requested Start Date**	**Requested Stop Date**	**Deferred Start Date Without Redispatch**	**Deferred Stop Date Without Redispatch**	**Potential Base Plan Funding Allowable**	**Point-to-Point Base Rate**	**Total Allocated Cost**	**Total Cost**
SEPC	1162543	SECI	WPEK	150	9/1/2011	9/1/2041	6/1/2012	6/1/2042	$ -	$ -	$ 21,334,774	$ 533,057,832
									$ -	$ -	$ 21,334,774	$ 533,057,832

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162543	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 1,195,120	$ 31,000,000
	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 2,217,371	$ 2,500,000
	CTU SUBLETTE - PIONEER TAP 115KV CKT 1	6/1/2011	6/1/2011			$ 2,000,000	$ 2,000,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		No	$ 18,928	$ 153,114
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 333,712	$ 14,795,676
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 3,201,004	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 1,694,136	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 44,867	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 92,195	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 92,195	$ 5,000,000
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 1,973,673	$ 4,200,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 795,807	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 96,215	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 1,202,424	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 810,937	$ 29,000,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 1,689,556	$ 4,500,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 54,168	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 432,004	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 169,082	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 3,221,380	$ 93,558,233
					Total	$ 21,334,774	$ 533,057,832

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162543	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2011		
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2007	6/1/2008		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162543	Hitchland 345 and 115 kV Interchange	6/1/2008	10/1/2009		No
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer SEPC — **Study Number** AG3-2006-085

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
SEPC	1162537	SECI	SECI	50	9/1/2011	9/1/2041	6/1/2012	6/1/2042	$ -	$ -	$ 2,429,511	$ 528,404,718
									$ -	$ -	$ 2,429,511	$ 528,404,718

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162537	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 133,001	$ 31,000,000
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 35,440	$ 14,795,676
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 381,560	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 168,934	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 4,474	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 11,199	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 11,199	$ 5,000,000
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 762,409	$ 4,200,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 84,346	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 10,194	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 145,604	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 98,198	$ 29,000,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 162,375	$ 4,500,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 5,753	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 45,216	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 17,689	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 351,920	$ 93,558,233
					Total	$ 2,429,511	$ 528,404,718

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162537	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Customer SEPC — **Study Number** AG3-2006-112

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
SEPC	1162690	SECI	SPS	75	9/1/2011	9/1/2019	6/1/2012	6/1/2020	$ -	$ 10,447,200	$ 37,531,990	$ 427,885,374
									$ -	$ 10,447,200	$ 37,531,990	$ 427,885,374

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162690	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 176	$ 2,500,000
	DUNCAN CAPACITOR	6/1/2011	6/1/2011			$ 28	$ 500,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		No	$ 25	$ 153,114
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 1,137	$ 50,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 3,080	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 12,467	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 330	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 385	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 385	$ 5,000,000
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 207	$ 4,200,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 5,868	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 3,958	$ 29,000,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 550	$ 4,500,000
	SPP - LAMAR DC Tie Expansion	6/1/2011	6/1/2011			$ 37,500,000	$ 37,500,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 2,448	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 946	$ 10,318,679
					Total	$ 37,531,990	$ 427,885,374

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162690	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162690	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2008	6/1/2008		
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
SEPC	AG3-2006-113

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
SEPC	1162670	WR	SECI	51	12/1/2007	12/1/2027	6/1/2012	6/1/2032	$ -	$ -	$ 7,852,656	$ 472,150,493
									$ -	$ -	$ 7,852,656	$ 472,150,493

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162670	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 601	$ 90,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 125,413	$ 2,660,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 113,253	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 634	$ 2,500,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 2,244,400	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 535,204	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 14,174	$ 2,500,000
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 669,277	$ 4,200,000
	NORTHVIEW - SUMMIT 115KV CKT 1	12/1/2006	10/1/2007		No	$ 51,354	$ 610,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 1,052,395	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 709,755	$ 29,000,000
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 170,824	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 66,788	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 2,098,584	$ 93,558,233
					Total	$ 7,852,656	$ 472,150,493

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162670	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162670	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		Yes

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer SHDY **Study Number** AG3-2006-082

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
SHDY	1162514	OKGE	CSWS	580	6/1/2011	6/1/2016	6/1/2012	6/1/2017	$ -	$ 36,540,000	$ 40,870,545	$ 262,270,000
									$ -	$ 36,540,000	$ 40,870,545	$ 262,270,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162514	ARKOMA - FT SMITHW 161KV CKT 1	6/1/2011	6/1/2011			$ 41,978	$ 2,900,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 6,605	$ 90,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 42,908	$ 2,500,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,643,416	$ 114,441,767
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 228,569	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 228,569	$ 5,000,000
	MUSKOGEE - FT SMITH 345kV	6/1/2011	6/1/2011			$ 29,000,000	$ 29,000,000
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2010	6/1/2010			$ 32,813	$ 100,000
	ROBERT S. KERR - SUNSET CORNER 161KV CKT 1	6/1/2011	6/1/2011			$ 80,000	$ 80,000
	ROBERT S. KERR - VAN BUREN 161KV CKT 1	6/1/2011	6/1/2011			$ -	$ -
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	2/1/2009		No	$ 381,873	$ 1,500,000
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	2/1/2009		No	$ 381,878	$ 1,500,000
	TARBY (TARBY2) 161/69/13.2KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 6,000,000	$ 6,000,000
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 292,034	$ 600,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 2,509,902	$ 93,558,233
					Total	$ 40,870,545	$ 262,270,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162514	BONANZA TAP - NORTH HUNTINGTON 161kV	6/1/2016	6/1/2016		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	EUFAULA (EUFAULA1) 161/138/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2009		No
	SPIRO COAL CAPACITORS	6/1/2016	6/1/2016		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162514	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162514	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No

Customer SHDY **Study Number** AG3-2006-083

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
SHDY	1162517	OKGE	EES	49	1/8/2008	1/8/2009	1/8/2008	1/8/2009	$ -	$ 529,200	$ -	$ -
									$ -	$ 529,200	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162517	None					$ -	$ -
					Total	$ -	$ -

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	**Study Number**
SPSM	AG3-2006-015

Customer	**Reservation**	**POR**	**POD**	**Requested Amount**	**Requested Start Date**	**Requested Stop Date**	**Deferred Start Date Without Redispatch**	**Deferred Stop Date Without Redispatch**	**Potential Base Plan Funding Allowable**	**Point-to-Point Base Rate**	**Total Allocated Cost**	**Total Cost**
SPSM	1125189	SPS	SPS	604	6/1/2008	6/1/2033	6/1/2012	6/1/2037	$ 108,720,000	$ -	$ 27,989,661	$ 474,229,971
									$ 108,720,000	$ -	$ 27,989,661	$ 474,229,971

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1125189	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 507,140	$ 1,515,113
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 1,389,382	$ 14,795,676
	HOBBS 115 KV Lines	6/1/2008	6/1/2008			$ 1,253,111	$ 3,677,530
	HOBBS 230/115KV TRANSFORMER CKT 2	12/1/2011	12/1/2011			$ 1,228,252	$ 3,000,000
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2008	12/1/2008		Yes	$ 2,826,847	$ 6,837,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 515,364	$ 114,441,767
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 6,365,937	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 168,595	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 206,839	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 206,839	$ 5,000,000
	NICHOLS STATION 230/115KV TRANSFORMERS	6/1/2008	12/1/2008		Yes	$ 3,084,252	$ 6,000,000
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 1,590,189	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 1,229,271	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 829,043	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 225,525	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 4,022,136	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 270,852	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 681,526	$ 93,558,233
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2009	10/1/2008	Yes	$ 1,388,561	$ 3,000,000
					Total	$ 27,989,661	$ 474,229,971

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1125189	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2008	6/1/2009		Yes
	Stateline Project	6/1/2010	6/1/2010		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
SPSM	AG3-2006-114

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
SPSM	1162680	CSWS	SPS	100	2/1/2007	2/1/2008	6/1/2012	6/1/2013	$ -	$ 1,741,200	$ 40,329,206	$ 808,782,248
									$ -	$ 1,741,200	$ 40,329,206	$ 808,782,248

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162680	BLANCHARD - MAUD 138KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 3,632,268	$ 35,000,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 4,531	$ 90,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 195,197	$ 2,660,000
	DOVER SWITCH CAPACITOR	6/1/2011	6/1/2011			$ 5,088	$ 100,000
	DUNCAN CAPACITOR	6/1/2011	6/1/2011			$ 26,116	$ 500,000
	ELK CITY - MOREWOOD SW 138KV CKT 1 AEPW	12/1/2007	12/1/2008		Yes	$ 45,585	$ 175,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 3,284	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 657	$ 100,000
	GSEC Deaf Smith Deaf Smith #6 Interconnection	1/1/2008	1/1/2008			$ -	$ -
	Hart Interchange 115/69 kV	6/1/2011	6/1/2011			$ 252,410	$ 3,500,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 643,398	$ 14,795,676
	HOBBS 115 KV Lines	6/1/2008	6/1/2008			$ 486,653	$ 3,677,530
	HOBBS 230/115KV TRANSFORMER CKT 2	12/1/2011	12/1/2011			$ 491,671	$ 3,000,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 1,076,930	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 7,406	$ 2,500,000
	JENSEN ROAD - JENSEN TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 5,735	$ 75,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 7,945,362	$ 228,883,534
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 9,095,513	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 240,885	$ 2,500,000
	NICHOLS STATION 230/115KV TRANSFORMERS	6/1/2008	12/1/2008		No	$ 447,033	$ 6,000,000
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2007	6/1/2009		No	$ 975,828	$ 8,700,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		Yes	$ 3,221,243	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 251,268	$ 10,912,514
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 7,127	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 761,517	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 513,581	$ 29,000,000
	SPS MUST RUN GENERATION #1	10/1/2007	10/1/2007			$ -	$ -
	SPS MUST RUN GENERATION #2	6/1/2007	6/1/2007			$ -	$ -
	SPS MUST RUN GENERATION #3	12/1/2007	12/1/2007			$ -	$ -
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 104,437	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 2,823,192	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 966,954	$ 10,318,679
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 53,180	$ 600,000
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 68,072	$ 1,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 5,905,650	$ 187,116,466
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2009	10/1/2008	Yes	$ 71,435	$ 3,000,000
					Total	$ 40,329,206	$ 808,782,248

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162680	CARLSBAD PLANT 115/69KV TRANSFORMERS	6/1/2007	6/1/2008		No
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		Yes
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2008	6/1/2009		No
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162680	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2008	6/1/2010	10/1/2009	No
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008		
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV CKT 1	12/1/2006	12/1/2006		
	EAST CENTRAL HENRYETTA - WELEETKA 138KV CKT 1	6/1/2007	6/1/2007		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	Hitchland 345 and 115 kV Interchange	6/1/2008	10/1/2009		No
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Mustang-San Andr-Amerada Hess 115KV Displacement	4/1/2007	6/1/2008		No
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 2 Displacement	6/1/2008	6/1/2010	10/1/2009	No
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162680	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2008	6/1/2008		
	HOBBS Substation and Lines	12/1/2007	6/1/2008		No
	Mustang-San Andr-Amerada Hess 115KV	4/1/2007	6/1/2008		Yes
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		Yes

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
SPSM	AG3-2006-115

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
SPSM	1162675	OKGE	SPS	100	2/1/2007	2/1/2008	6/1/2012	6/1/2013	$ -	$ 1,741,200	$ 42,945,550	$ 810,707,248
									$ -	$ 1,741,200	$ 42,945,550	$ 810,707,248

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162675	BLANCHARD - CORNVILLE 138KV CKT 1	6/1/2011	6/1/2011			$ 1,730,206	$ 10,600,000
	BLANCHARD - MAUD 138KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 3,597,430	$ 35,000,000
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2008			$ 2,717	$ 75,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 9,370	$ 90,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 187,960	$ 2,660,000
	DOVER SWITCH CAPACITOR	6/1/2011	6/1/2011			$ 4,286	$ 100,000
	DUNCAN CAPACITOR	6/1/2011	6/1/2011			$ 27,815	$ 500,000
	ELDORADO - LAKE PAULINE 69KV CKT 1	6/1/2008	6/1/2008			$ 31,266	$ 100,000
	ELK CITY - MOREWOOD SW 138KV CKT 1 AEPW	12/1/2007	12/1/2008		Yes	$ 46,142	$ 175,000
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 46,170	$ 850,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 13,837	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 2,767	$ 100,000
	GSEC Deaf Smith Deaf Smith #6 Interconnection	1/1/2008	1/1/2008			$ -	$ -
	Hart Interchange 115/69 kV	6/1/2011	6/1/2011			$ 252,824	$ 3,500,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 612,940	$ 14,795,676
	HOBBS 115 KV Lines	6/1/2008	6/1/2008			$ 486,543	$ 3,677,530
	HOBBS 230/115KV TRANSFORMER CKT 2	12/1/2011	12/1/2011			$ 491,671	$ 3,000,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 556,733	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 4,004	$ 2,500,000
	JENSEN ROAD - JENSEN TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 6,598	$ 75,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 9,863,092	$ 228,883,534
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 9,196,947	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 243,571	$ 2,500,000
	NICHOLS STATION 230/115KV TRANSFORMERS	6/1/2008	12/1/2008		No	$ 443,095	$ 6,000,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		Yes	$ 3,153,133	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 242,774	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 1,083,777	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 730,919	$ 29,000,000
	SPS MUST RUN GENERATION #1	10/1/2007	10/1/2007			$ -	$ -
	SPS MUST RUN GENERATION #2	6/1/2007	6/1/2007			$ -	$ -
	SPS MUST RUN GENERATION #3	12/1/2007	12/1/2007			$ -	$ -
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 99,493	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 2,852,568	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 978,353	$ 10,318,679
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 72,928	$ 1,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 5,803,404	$ 187,116,466
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2009	10/1/2008	Yes	$ 70,217	$ 3,000,000
					Total	$ 42,945,550	$ 810,707,248

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162675	CARLSBAD PLANT 115/69KV TRANSFORMERS	6/1/2007	6/1/2008		No
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		Yes
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2008	6/1/2009		No
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162675	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008		
	Hitchland 345 and 115 kV Interchange	6/1/2008	10/1/2009		No
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Mustang-San Andr-Amerada Hess 115KV Displacement	4/1/2007	6/1/2008		No
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162675	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2008	6/1/2008		
	HOBBS Substation and Lines	12/1/2007	6/1/2008		No
	Mustang-San Andr-Amerada Hess 115KV	4/1/2007	6/1/2008		Yes
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		Yes

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
SPSM	AG3-2006-116

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
SPSM	1162677	OKGE	SPS	150	2/1/2008	2/1/2009	6/1/2012	6/1/2013	$ -	$ 2,611,800	$ 64,418,337	$ 810,707,248
									$ -	$ 2,611,800	$ 64,418,337	$ 810,707,248

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162677	BLANCHARD - CORNVILLE 138KV CKT 1	6/1/2011	6/1/2011			$ 2,595,309	$ 10,600,000
	BLANCHARD - MAUD 138KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 5,396,144	$ 35,000,000
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2008			$ 4,076	$ 75,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 14,056	$ 90,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	5/1/2009		No	$ 281,940	$ 2,660,000
	DOVER SWITCH CAPACITOR	6/1/2011	6/1/2011			$ 6,429	$ 100,000
	DUNCAN CAPACITOR	6/1/2011	6/1/2011			$ 41,722	$ 500,000
	ELDORADO - LAKE PAULINE 69KV CKT 1	6/1/2008	6/1/2008			$ 46,897	$ 100,000
	ELK CITY - MOREWOOD SW 138KV CKT 1 AEPW	12/1/2007	12/1/2008		Yes	$ 69,213	$ 175,000
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 69,256	$ 850,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 20,756	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 4,151	$ 100,000
	GSEC Deaf Smith Deaf Smith #6 Interconnection	1/1/2008	1/1/2008			$ -	$ -
	Hart Interchange 115/69 kV	6/1/2011	6/1/2011			$ 379,249	$ 3,500,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 919,410	$ 14,795,676
	HOBBS 115 KV Lines	6/1/2008	6/1/2008			$ 729,814	$ 3,677,530
	HOBBS 230/115KV TRANSFORMER CKT 2	12/1/2011	12/1/2011			$ 737,506	$ 3,000,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 835,091	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 6,005	$ 2,500,000
	JENSEN ROAD - JENSEN TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 9,897	$ 75,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 14,794,636	$ 228,883,534
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 13,795,421	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 365,357	$ 2,500,000
	NICHOLS STATION 230/115KV TRANSFORMERS	6/1/2008	12/1/2008		No	$ 664,652	$ 6,000,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		Yes	$ 4,729,700	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 364,160	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 1,625,666	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 1,096,379	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 149,239	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 4,278,852	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 1,467,529	$ 10,318,679
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 109,392	$ 1,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 8,705,108	$ 187,116,466
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2009	10/1/2008	Yes	$ 105,325	$ 3,000,000
					Total	$ 64,418,337	$ 810,707,248

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162677	CARLSBAD PLANT 115/69KV TRANSFORMERS	6/1/2007	6/1/2008		No
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		Yes
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2008	6/1/2009		No
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162677	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008		
	Hitchland 345 and 115 kV Interchange	6/1/2008	10/1/2009		No
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162677	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2008	6/1/2008		
	Mustang-San Andr-Amerada Hess 115KV	4/1/2007	6/1/2008		No
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		Yes

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer UCU **Study Number** AG3-2006-018D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
UCU	1104638	MPS	MPS	160	6/1/2010	6/1/2030	6/1/2010	6/1/2030	$ -	$ -	$ -	$ -
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1104638	None					$ -	$ -
					Total	$ -	$ -

Customer UCU **Study Number** AG3-2006-025D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
UCU	1152228	MPS	MPS	585	2/1/2007	2/1/2027	12/1/2008	12/1/2028	$ -	$ -	$ 4,569,525	$ 8,050,000
									$ -	$ -	$ 4,569,525	$ 8,050,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1152228	CLINTON - CLINTON GREEN STREET 69KV CKT 1	6/1/2014	6/1/2014			$ -	$ -
	COOK - ST JOE 161KV CKT 1	12/1/2006	12/1/2008		Yes	$ 1,945,336	$ 4,400,000
	EAST 20MVAR CAPACITOR	12/1/2006	6/1/2008		No	$ 263,874	$ 600,000
	HARRISONVILLE 161/69KV TRANSFORMER CKT 1	6/1/2007	10/1/2008		No	$ 1,415,028	$ 2,100,000
	Holden 12MVAR Capacitor	6/1/2016	6/1/2016			$ 400,000	$ 400,000
	INDUSTRIAL PARK - LAKE ROAD 161KV CKT 1	12/1/2006	6/1/2008		No	$ 200,000	$ 200,000
	RALPH GREEN 12MVAR CAPACITOR	6/1/2011	6/1/2011			$ 345,287	$ 350,000
					Total	$ 4,569,525	$ 8,050,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1152228	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2016	6/1/2016		
	CLINTON - CLINTON PLANT 69KV CKT 1	6/1/2010	6/1/2010		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1152228	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
UCU	AG3-2006-052D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
UCU	1162075	WR	MPS	51	1/1/2008	1/1/2028	6/1/2012	6/1/2032	$ -	$ 19,718,640	$ 5,293,890	$ 811,863,718
									$ -	$ 19,718,640	$ 5,293,890	$ 811,863,718

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162075	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2008	6/1/2008			$ 672,553	$ 2,580,000
	BUCYRUS - STILWELL 161KV CKT 1	6/1/2011	6/1/2011			$ 621	$ 9,000
	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 253,144	$ 31,000,000
	COOK - ST JOE 161KV CKT 1	12/1/2006	12/1/2008		No	$ 1,094,358	$ 4,400,000
	EAST 20MVAR CAPACITOR	12/1/2006	6/1/2008		No	$ 169,727	$ 600,000
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	HARRISONVILLE 161/69KV TRANSFORMER CKT 1	6/1/2007	10/1/2008		No	$ 345,880	$ 2,100,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 181,293	$ 72,900,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 33,188	$ 14,795,676
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,033,876	$ 228,883,534
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 47,397	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 1,255	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 34,134	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 34,134	$ 5,000,000
	NORTHVIEW - SUMMIT 115KV CKT 1	12/1/2006	10/1/2007		No	$ 61,280	$ 1,220,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 76,696	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 9,478	$ 10,912,514
	RALPH GREEN 12MVAR CAPACITOR	6/1/2011	6/1/2011			$ 2,379	$ 350,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 427,472	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 288,295	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 5,387	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 30,307	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 11,796	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 479,240	$ 187,116,466
					Total	$ 5,293,890	$ 811,863,718

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162075	ANACONDA - FREEMAN 69KV CKT 1	6/1/2008	12/1/2008		No
	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2016	6/1/2016		
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2016	6/1/2016		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	HARRIONSVILLE NORTH - RALPH GREEN 69KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	6/1/2009		No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162075	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162075	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
UCU	AG3-2006-088D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
UCU	1162678	WR	MPS	25	1/1/2008	1/1/2028	6/1/2012	6/1/2032	$ -	$ 9,666,000	$ 2,595,127	$ 811,863,718
UCU	1162681	WR	MPS	25	1/1/2008	1/1/2028	6/1/2012	6/1/2032	$ -	$ 9,666,000	$ 2,595,127	$ 811,863,718
									$ -	$ 19,332,000	$ 5,190,254	

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162678	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2008	6/1/2008			$ 329,682	$ 2,580,000
	BUCYRUS - STILWELL 161KV CKT 1	6/1/2011	6/1/2011			$ 304	$ 9,000
	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 124,113	$ 31,000,000
	COOK - ST JOE 161KV CKT 1	12/1/2006	12/1/2008		No	$ 536,449	$ 4,400,000
	EAST 20MVAR CAPACITOR	12/1/2006	6/1/2008		No	$ 83,200	$ 600,000
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	HARRISONVILLE 161/69KV TRANSFORMER CKT 1	6/1/2007	10/1/2008		No	$ 169,546	$ 2,100,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 88,884	$ 72,900,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 16,269	$ 14,795,676
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 506,808	$ 228,883,534
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 23,238	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 615	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 16,738	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 16,738	$ 5,000,000
	NORTHVIEW - SUMMIT 115KV CKT 1	12/1/2006	10/1/2007		No	$ 30,038	$ 1,220,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 37,587	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 4,650	$ 10,912,514
	RALPH GREEN 12MVAR CAPACITOR	6/1/2011	6/1/2011			$ 1,167	$ 350,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 209,542	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 141,319	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 2,641	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 14,861	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 5,784	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 234,954	$ 187,116,466
					Total	$ 2,595,127	$ 811,863,718
1162681	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2008	6/1/2008			$ 329,682	$ 2,580,000
	BUCYRUS - STILWELL 161KV CKT 1	6/1/2011	6/1/2011			$ 304	$ 9,000
	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 124,113	$ 31,000,000
	COOK - ST JOE 161KV CKT 1	12/1/2006	12/1/2008		No	$ 536,449	$ 4,400,000
	EAST 20MVAR CAPACITOR	12/1/2006	6/1/2008		No	$ 83,200	$ 600,000
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	HARRISONVILLE 161/69KV TRANSFORMER CKT 1	6/1/2007	10/1/2008		No	$ 169,546	$ 2,100,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 88,884	$ 72,900,000
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 16,269	$ 14,795,676
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 506,808	$ 228,883,534
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 23,238	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 615	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 16,738	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 16,738	$ 5,000,000
	NORTHVIEW - SUMMIT 115KV CKT 1	12/1/2006	10/1/2007		No	$ 30,038	$ 1,220,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 37,587	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 4,650	$ 10,912,514
	RALPH GREEN 12MVAR CAPACITOR	6/1/2011	6/1/2011			$ 1,167	$ 350,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 209,542	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 141,319	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 2,641	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 14,861	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 5,784	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 234,954	$ 187,116,466
					Total	$ 2,595,127	$ 811,863,718

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162678	ANACONDA - FREEMAN 69KV CKT 1	6/1/2008	12/1/2008		No
	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2016	6/1/2016		
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2016	6/1/2016		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	HARRIONSVILLE NORTH - RALPH GREEN 69KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	6/1/2009		No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		
1162681	ANACONDA - FREEMAN 69KV CKT 1	6/1/2008	12/1/2008		No
	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2016	6/1/2016		
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2016	6/1/2016		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	HARRIONSVILLE NORTH - RALPH GREEN 69KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	6/1/2009		No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162678	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011		
1162681	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162678	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No
1162681	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
WFEC	AG3-2006-019

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
WFEC	1152679	WFEC	WFEC	500	5/1/2010	5/1/2035	6/1/2012	6/1/2037	$ -	$ -	$ 69,400,278	$ 594,295,000
									$ -	$ -	$ 69,400,278	$ 594,295,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1152679	BROWN - BROWN 138KV CKT 1 SWPA	6/1/2011	6/1/2011			$ 131,959	$ 150,000
	BROWN - RUSSETT 138KV CKT 1 SWPA	6/1/2010	6/1/2010			$ 126,479	$ 150,000
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2008			$ 28,404	$ 75,000
	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 15,433,815	$ 31,000,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 2,651	$ 90,000
	DOVER SWITCH CAPACITOR	6/1/2011	6/1/2011			$ 40,740	$ 100,000
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 262,645	$ 850,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 257,160	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 51,432	$ 100,000
	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	6/1/2008	6/1/2008			$ 700,947	$ 1,005,000
	HEMPSTEAD PLAN	6/1/2011	6/1/2011			$ 8,468,722	$ 72,900,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		Yes	$ 22,895,526	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		Yes	$ 2,393,750	$ 2,500,000
	HUGO POWER PLANT - VALLIANT 138KV CKT 1	5/1/2010	5/1/2010			$ 150,000	$ 150,000
	JENSEN ROAD - JENSEN TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 21,975	$ 75,000
	LANE - TUPELO 138KV CKT 1	6/1/2011	6/1/2011			$ 128,424	$ 200,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 7,946,048	$ 228,883,534
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 1,495,985	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 1,495,985	$ 5,000,000
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2010	6/1/2010			$ 17,017	$ 100,000
	PINK SWITCH CAPACITOR	6/1/2011	6/1/2011			$ 246,521	$ 350,000
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 557,431	$ 1,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 5,076,230	$ 187,116,466
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 1,470,432	$ 6,500,000
					Total	$ 69,400,278	$ 594,295,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1152679	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	ELK CITY - ELK CITY 69KV CKT 1 AEPW	6/1/2011	6/1/2011		
	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Norman Area Voltage Conversion	4/1/2007	6/1/2009		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1152679	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
WFEC	AG3-2006-119

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
WFEC	1165215	OKGE	WFEC	100	4/1/2007	4/1/2011	6/1/2009	6/1/2013	$ -	$ -	$ 11,590,986	$ 483,645,000
									$ -	$ -	$ 11,590,986	$ 483,645,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1165215	BLANCHARD - CORNVILLE 138KV CKT 1	6/1/2011	6/1/2011			$ 1,858,891	$ 10,600,000
	BLANCHARD - MAUD 138KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 3,864,990	$ 35,000,000
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2008			$ 10,612	$ 75,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 8,048	$ 90,000
	DOVER SWITCH CAPACITOR	6/1/2011	6/1/2011			$ 8,767	$ 100,000
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 63,380	$ 850,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 64,265	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 12,853	$ 100,000
	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	6/1/2008	6/1/2008			$ 148,299	$ 1,005,000
	JENSEN ROAD - JENSEN TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 5,964	$ 75,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 2,823,892	$ 228,883,534
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 295,008	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 295,008	$ 5,000,000
	PARK LANE - SEMINOLE 138KV CKT 1	6/1/2011	6/1/2011			$ 143,481	$ 300,000
	PINK SWITCH CAPACITOR	6/1/2011	6/1/2011			$ 65,831	$ 350,000
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 44,102	$ 600,000
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 125,244	$ 1,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 1,512,474	$ 187,116,466
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 239,877	$ 6,500,000
					Total	$ 11,590,986	$ 483,645,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1165215	ELK CITY - ELK CITY 69KV CKT 1 AEPW	6/1/2011	6/1/2011		
	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Norman Area Voltage Conversion	4/1/2007	6/1/2009		Yes
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1165215	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
WFEC	AG3-2006-120

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
WFEC	1165218	CSWS	WFEC	100	4/1/2007	4/1/2011	6/1/2012	6/1/2016	$ -	$ -	$ 7,569,694	$ 771,449,718
									$ -	$ -	$ 7,569,694	$ 771,449,718

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1165218	5 TRIBES - HANCOCK 161KV CKT 1	6/1/2010	6/1/2010			$ 85,873	$ 100,000
	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2011	6/1/2011			$ 574,048	$ 2,850,000
	BROWN - BROWN 138KV CKT 1 SWPA	6/1/2011	6/1/2011			$ 1,386	$ 150,000
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2008			$ 8,802	$ 75,000
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 3,471	$ 90,000
	DOVER SWITCH CAPACITOR	6/1/2011	6/1/2011			$ 9,484	$ 100,000
	DUNCAN CAPACITOR	6/1/2011	6/1/2011			$ 3,743	$ 500,000
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 49,059	$ 850,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 53,879	$ 500,000
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011			$ 10,776	$ 100,000
	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	6/1/2008	6/1/2008			$ 146,360	$ 1,005,000
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 66,433	$ 14,795,676
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 374,388	$ 50,000,000
	JENSEN ROAD - JENSEN TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 5,154	$ 75,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 1,074,530	$ 228,883,534
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 248,606	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 6,584	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 307,660	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 307,660	$ 5,000,000
	PARK LANE - SEMINOLE 138KV CKT 1	6/1/2011	6/1/2011			$ 89,673	$ 300,000
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2007	6/1/2009		No	$ 1,451,814	$ 8,700,000
	PINK SWITCH CAPACITOR	6/1/2011	6/1/2011			$ 37,649	$ 350,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 62,352	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 13,636	$ 10,912,514
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 4,988	$ 400,000
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 309,546	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 208,763	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 10,784	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 1,824	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 3,546	$ 10,318,679
	Tupelo Capacitor	6/1/2011	6/1/2011			$ 81,151	$ 600,000
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 120,436	$ 1,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 1,599,448	$ 187,116,466
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 236,188	$ 6,500,000
					Total	$ 7,569,694	$ 771,449,718

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1165218	ELK CITY - ELK CITY 69KV CKT 1 AEPW	6/1/2011	6/1/2011		
	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Norman Area Voltage Conversion	4/1/2007	6/1/2009		Yes
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1165218	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2008	6/1/2010	10/1/2009	No
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV CKT 1	12/1/2006	12/1/2006		
	EAST CENTRAL HENRYETTA - WELEETKA 138KV CKT 1	6/1/2007	6/1/2007		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 2 Displacement	6/1/2008	6/1/2010	10/1/2009	No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer WRGS
Study Number AG3-2006-021D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
WRGS	1129973	EDE	WR	32	5/1/2007	5/1/2008	6/1/2011	6/1/2012	$ -	$ -	$ 10,177	$ 3,929,000
									$ -	$ -	$ 10,177	$ 3,929,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1129973	BOEING - STEARMAN 138KV CKT 1	6/1/2007	6/1/2008		No	$ 2,079	$ 300,000
	BUCYRUS - STILWELL 161KV CKT 1	6/1/2011	6/1/2011			$ 34	$ 9,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		Yes	$ 5,824	$ 2,400,000
	NORTHVIEW - SUMMIT 115KV CKT 1	12/1/2006	10/1/2007		No	$ 2,240	$ 1,220,000
					Total	$ 10,177	$ 3,929,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1129973	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	LITCHFIELD (LITCH 1X) 161/69/13.2KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	LITCHFIELD (LITCH 2X) 161/69/13.2KV TRANSFORMER CKT 1	6/1/2011			No
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2011	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2007	12/1/2008		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1129973	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW Displacement	6/1/2011	6/1/2011		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE Displacement	6/1/2011	6/1/2011		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2008	6/1/2008		
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1129973	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	4/1/2009		No
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	4/1/2009		No
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	6/1/2008		No
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer	Study Number
WRGS	AG3-2006-022D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
WRGS	1138303	WR	WR	30	6/1/2007	6/1/2012	6/1/2012	6/1/2017	$ 5,400,000	$ -	$ 14,411,090	$ 750,994,718
									$ 5,400,000	$ -	$ 14,411,090	$ 750,994,718

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1138303	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2008	6/1/2008			$ 1,248,084	$ 2,580,000
	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2016	6/1/2016			$ 550,000	$ 550,000
	ALLEN - LEHIGH TAP 69KV CKT 1	6/1/2007	6/1/2008		Yes	$ 2,000,000	$ 2,000,000
	ATHENS SWITCHING STATION - OWL CREEK 69KV CKT 1	6/1/2011	6/1/2011			$ 1,000,000	$ 1,000,000
	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 182,231	$ 31,000,000
	CITY OF IOLA - UNITED NO. 9 CONGER 69KV CKT 1	6/1/2011	6/1/2011			$ 1,100,000	$ 1,100,000
	CITY OF IOLA CAPACITOR	6/1/2007	6/1/2009		No	$ 500,000	$ 500,000
	ENA - TIOGA 69KV CKT 1	6/1/2011	6/1/2011			$ 250,000	$ 250,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		No	$ 67,965	$ 2,400,000
	GSEC Midway Interconnection #2	6/1/2007	6/1/2007			$ -	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	4/1/2010		No	$ 13,495	$ 14,795,676
	LAWRENCE HILL - WREN 115KV CKT 1	6/1/2010	6/1/2010			$ 1,200,000	$ 1,200,000
	LEHIGH TAP - OWL CREEK 69KV CKT 1	6/1/2007	6/1/2008		No	$ 2,900,000	$ 2,900,000
	LEHIGH TAP - UNITED NO. 9 CONGER 69KV CKT 1	6/1/2008	11/1/2007			$ 310,000	$ 310,000
	MARMTNE5 (MARMTN1X) 161/69/13.2KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			$ 2,000,000	$ 2,000,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 543,904	$ 228,883,534
	Mooreland - TUCO 345 kV SPS	12/1/2006	6/1/2012		No	$ 18,811	$ 94,396,814
	Mooreland - TUCO 345 kV WFEC	12/1/2006	6/1/2012		No	$ 498	$ 2,500,000
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 15,772	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 15,772	$ 5,000,000
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 31,401	$ 38,504,390
	Pringle - Etter 115 kV	6/1/2011	6/1/2011			$ 3,845	$ 10,912,514
	Spearville - Mooreland 345 kV SUNC	12/1/2006	6/1/2012		No	$ 176,045	$ 43,000,000
	Spearville - Mooreland 345 kV WFEC	12/1/2006	6/1/2012		No	$ 118,728	$ 29,000,000
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	4/1/2010		No	$ 2,190	$ 2,401,645
	Tuco - Tolk 345kV	12/1/2006	6/1/2012		No	$ 15,091	$ 24,875,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2006	6/1/2012		No	$ 5,877	$ 10,318,679
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 96,222	$ 187,116,466
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 45,159	$ 6,500,000
					Total	$ 14,411,090	$ 750,994,718

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1138303	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2007	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	12/1/2007	6/1/2010		No
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2007	6/1/2008		No
	JARBALO JUNCTION SWITCHING STATION - LAWRENCE ENERGY CENTER UNIT 4 115KV CKT 1	6/1/2009	6/1/2009		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	12/1/2008	12/1/2008		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	LITCHFIELD (LITCH 1X) 161/69/13.2KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	LITCHFIELD (LITCH 2X) 161/69/13.2KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008		
	WEATHERFORD CAPACITOR	6/1/2011	6/1/2011		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1138303	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW Displacement	6/1/2011	6/1/2011		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE Displacement	6/1/2011	6/1/2011		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1138303	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2009		No
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	4/1/2009		No
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	4/1/2009		No
	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer **Study Number**
WRGS AG3-2006-024D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
WRGS	1161506	WR	WR	380	5/1/2008	5/1/2014	6/1/2011	6/1/2017	$ 68,400,000	$ -	$ 790,770	$ 3,940,000
									$ 68,400,000	$ -	$ 790,770	$ 3,940,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161506	BOEING - STEARMAN 138KV CKT 1	6/1/2007	6/1/2008		No	$ 78,344	$ 300,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		No	$ 579,984	$ 2,400,000
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2016	6/1/2016			$ 20,000	$ 20,000
	NORTHVIEW - SUMMIT 115KV CKT 1	12/1/2006	10/1/2007		No	$ 112,442	$ 1,220,000
					Total	$ 790,770	$ 3,940,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161506	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2007	12/1/2008		No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2009		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161506	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2008	6/1/2008		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161506	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	4/1/2009		No
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	4/1/2009		No
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No

Customer **Study Number**
WRGS AG3-2006-025

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
WRGS	1140120	WR	WR	360	5/1/2009	5/1/2015	5/1/2009	5/1/2015	$ -	$ -	$ 749,269	$ 3,920,000
									$ -	$ -	$ 749,269	$ 3,920,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1140120	BOEING - STEARMAN 138KV CKT 1	6/1/2007	6/1/2008		No	$ 73,999	$ 300,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		No	$ 573,242	$ 2,400,000
	NORTHVIEW - SUMMIT 115KV CKT 1	12/1/2006	10/1/2007		No	$ 102,028	$ 1,220,000
					Total	$ 749,269	$ 3,920,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1140120	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2007	12/1/2008		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1140120	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2008	6/1/2008		

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer **Study Number**
WRGS AG3-2006-036D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
WRGS	1161997	MPS	WR	300	6/1/2007	6/1/2014	6/1/2011	6/1/2018	$ 54,000,000	$ -	$ 1,186,306	$ 56,420,000
									$ 54,000,000	$ -	$ 1,186,306	$ 56,420,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161997	BOEING - STEARMAN 138KV CKT 1	6/1/2007	6/1/2008		No	$ 107,133	$ 300,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		Yes	$ 418,626	$ 2,400,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 537,504	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 867	$ 2,500,000
	NORTHVIEW - SUMMIT 115KV CKT 1	12/1/2006	10/1/2007		No	$ 122,176	$ 1,220,000
					Total	$ 1,186,306	$ 56,420,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161997	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2007	12/1/2008		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161997	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2008	6/1/2008		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161997	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	4/1/2009		No
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	4/1/2009		No
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	6/1/2008		No
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No

Customer **Study Number**
WRGS AG3-2006-053D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Total Allocated Cost	Total Cost
WRGS	1162177	MEC	WR	100	3/1/2007	3/1/2008	6/1/2011	6/1/2012	$ -	$ -	$ 1,748,907	$ 517,920,000
									$ -	$ -	$ 1,748,907	$ 517,920,000

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1162177	BOEING - STEARMAN 138KV CKT 1	6/1/2007	6/1/2008		No	$ 35,549	$ 300,000
	CANEY CREEK EHV	5/1/2010	6/1/2010		No	$ 27,105	$ 31,000,000
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2008		Yes	$ 129,510	$ 2,400,000
	Hugo - SunnySide 345kV	5/1/2010	6/1/2010		No	$ 313,606	$ 50,000,000
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	6/1/2010		No	$ 32	$ 2,500,000
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2012		No	$ 58,176	$ 228,883,534
	Mooreland 345/138 kV Transformer CKT 1	12/1/2006	6/1/2012		No	$ 15,558	$ 5,000,000
	Mooreland 345/138 kV Transformer CKT 2	12/1/2006	6/1/2012		No	$ 15,558	$ 5,000,000
	NORTHVIEW - SUMMIT 115KV CKT 1	12/1/2006	10/1/2007		No	$ 42,940	$ 1,220,000
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 114,719	$ 4,500,000
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2012		No	$ 996,154	$ 187,116,466
					Total	$ 1,748,907	$ 517,920,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162177	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	DIERKS & MENA CAPACITOR	12/1/2007	4/1/2009		No
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	12/1/2006	11/1/2007		No
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2007	12/1/2008		No

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162177	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2008	6/1/2008		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2010	6/1/2010		

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162177	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	4/1/2009		No
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	4/1/2009		No
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	6/1/2008		No
	WICHITA - RENO 345 kV CKT 1	12/1/2006	6/1/2011		No

Table 3 - Upgrade Requirements and Solutions Needed to Provide Transmission Service for the Aggregate Study

Transmission Owner	Upgrade	Solution	Minimum ATC per Upgrade (MW)	Season of Minimum Allocated ATC	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	ALUMAX TAP - BANN 138KV CKT 1	Replace six (6) 138 kV switches, five at Bann & one at Alumax Tap. Rebuild 0.67 miles of 1024 ACAR with 2156 ACSR. Replace wavetrap & jumpers @ Bann. Replace breaker 3300 @ Bann.	0	07SP	6/1/2007	4/1/2009	$ 1,000,000
AEPW	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	Rebuild 3.24 miles of 1272 AAC with 2156 ACSR. Replace 3 switches, breaker jumpers, and reset CTs @ Arsenal Hill. Replace 2 switches and jumpers @ Fort Humbug	527	16SP	6/1/2010	6/1/2010	$ 2,750,000
AEPW	ARSENAL HILL - NORTH MARKET 69KV CKT 1	Rebuild 2.3 miles of 666 ACSR with 1272 ACSR	0	16SP	6/1/2010	6/1/2010	$ 2,500,000
AEPW	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	Replace auto	340	16SP	6/1/2010	6/1/2010	$ 2,000,000
AEPW	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	Replace auto	282	16SP	6/1/2010	6/1/2010	$ 2,000,000
AEPW	BANN - NW TEXARKANA-BANN T 138KV CKT 1	Reset Bann Relay	175	08SP	6/1/2008	6/1/2008	$ 20,000
AEPW	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	Reconductor 1.25 miles of 795 ACSR with 1590 ACSR.	71	16SP	6/1/2014	6/1/2014	$ 850,000
AEPW	BLANCHARD - CORNVILLE 138KV CKT 1	Rebuild 13.94 miles of 3/0 CWC with 795 ACSR. Replace Cornville wavetrap & reset relays.	215	11SP	6/1/2011	6/1/2011	$ 10,600,000
AEPW	BLANCHARD - MAUD 138KV CKT 1 AEPW	Rebuild 45.8 miles of 3/0 CWC & 0.66 miles of 4/0 ACSR with 795 ACSR.	419	11WP	6/1/2011	6/1/2011	$ 35,000,000
AEPW	DUNCAN (DUNCAN) 138/69/13.8KV TRANSFORMER CKT 1	Replace Duncan Autotransformer	0	16SP	6/1/2008	2/1/2009	$ 1,800,000
AEPW	DUNCAN CAPACITOR	Add 9.6 MVAR capacitor bank @ Duncan Eastside	1393	16SP	6/1/2011	6/1/2011	$ 500,000
AEPW	ELDORADO - LAKE PAULINE 69KV CKT 1	Upgrade Terminal Equipment at Lake Pauline CTs	0	08SP	6/1/2008	6/1/2008	$ 100,000
AEPW	ELK CITY - MOREWOOD SW 138KV CKT 1 AEPW	Replace metering CTs	216	08SP	12/1/2007	12/1/2008	$ 175,000
AEPW	ERCOTN - SPP DC Tie Expansion	Add 29 MW HVDC Tie	0	11SP	6/1/2007	6/1/2011	$ 24,500,000
AEPW	FIXICO TAP - MAUD 138KV CKT 1 AEPW	Rebuild 11.83 miles of 3/0 shielded Copperweld with 795 ACSR.	0	16SP	6/1/2015	6/1/2015	$ 8,500,000
AEPW	HEMPSTEAD PLAN	NW Texarkana 345 kV Substation, Install one 345 kV breaker			6/1/2011	6/1/2011	$ 600,000
AEPW	HEMPSTEAD PLAN	Sugar Hill 138 kV Substation, Install two 138 kV, 3000 A breakers			6/1/2011	6/1/2011	$ 1,300,000
AEPW	HEMPSTEAD PLAN	SE Texarkana 138 kV Substation, Install two 138 kV, 3000 A breakers			6/1/2011	6/1/2011	$ 1,200,000
AEPW	HEMPSTEAD PLAN	Convert new NW Texarkana – Hempstead 138 kV line to 345 kV. Thirty-three miles of 2-795 ACSR			6/1/2011	6/1/2011	$ 16,200,000
AEPW	HEMPSTEAD PLAN	Build new Sugar Hill – Hempstead 138 kV line. Twenty-three miles of 1590 ACSR			6/1/2011	6/1/2011	$ 20,700,000
AEPW	HEMPSTEAD PLAN	Build new SE Texarkana – Hempstead 138 kV line. Twenty-six miles of 1590 ACSR			6/1/2011	6/1/2011	$ 23,400,000
AEPW	HEMPSTEAD PLAN	Ashdown REC (AECC delivery point), Replace switches 6276 and 6277 with 3000 A, 138 kV switches and replace the conductor between them with 1590 ACSR			6/1/2011	6/1/2011	$ 300,000
AEPW	HEMPSTEAD PLAN	Hempstead 345/138 kV Substation, add one 345 kV breaker, one 675 MVA, 345/138 kV autotransformer.			6/1/2011	6/1/2011	$ 9,200,000
AEPW	HEMPSTEAD PLAN	Total			6/1/2011	6/1/2011	$ 72,900,000
AEPW	HUGO POWER PLANT - VALLIANT 138KV CKT 1	Reset metering & transformer diff CTs and replace bus tubing	339	11WP	5/1/2010	5/1/2010	$ 150,000
AEPW	Siloam Springs - South Fayetteville 161 kV	Convert Existing 69 kV Line to 161 kV Operation	0	08SP	6/1/2008	6/1/2009	$ 490,000
AEPW	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	Rebuild 2.29 miles of 2-397.5 ACSR with 1590 ACSR.	433	11SP	6/1/2010	6/1/2010	$ 2,500,000
AEPW	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos. Replace .two 138 kV breakers and five 138 kV switches. Reset relays and CTs	372	08SP	6/1/2008	2/1/2009	$ 1,500,000
AEPW	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos. Replace .two 138 kV breakers and five 138 kV switches. Reset relays and CTs	567	08SP	6/1/2008	2/1/2009	$ 1,500,000
EMDE	RIVERSIDE CAPACITOR	Install 3 - stages of 22 MVAR each for a total of 66 MVAR capacitor bank at Riverside Sub #438 59497	50	16SP	6/1/2016	6/1/2016	$ 2,600,000
GRDA	Grove Neo 14.4MVAR Cap	Add 14.4MVAr Cap. Bank at Grove at Jay Area	220	11SP	6/1/2007	10/1/2008	$ 80,000
GRDA	Kansas 7.2MVAR Cap	Add 7.2MVAr at Kansas area	238	11SP	6/1/2008	10/1/2008	$ 50,000
GRDA	Newport 14.4MVAR Cap	Install 14.4MVAR capacitors at Newport 69 kV bus	200	11SP	6/1/2007	10/1/2008	$ 80,000
GRDA	SCoffeyville Capacitor	Add 7.2MVAr at South Coffeyville Bus 97001	218	11WP	10/1/2007	10/1/2007	$ 50,000
GRDA	Turkey Ford 7.2MVAR Cap	Install 7.2MVAR capacitors at Turkey Ford 69 kV bus	244	11SP	6/1/2007	10/1/2008	$ 50,000
KACP	BUCYRUS - STILWELL 161KV CKT 1	Rebuild Bucyrus line terminal so transmission line rating can be increased to conductor limits.	545	11SP	6/1/2011	6/1/2011	$ 9,000
MIDW	KINSLEY CAPACITOR	Install 12mvar capacitor at Kinsley	0	07SP	6/1/2007	6/1/2008	$ 1,000,000
MIPU	CLINTON - CLINTON GREEN STREET 69KV CKT 1	Upgrade line to 795 26/7 ACSR conductor	485	16SP	6/1/2014	6/1/2014	Indeterminate
MIPU	COOK - ST JOE 161KV CKT 1	Conductor, Switch, Relay	525	07WP	12/1/2006	12/1/2008	$ 4,400,000
MIPU	EAST 20MVAR CAPACITOR	Add 20MVAR capacitor at East 161kV	86	07WP	12/1/2006	6/1/2008	$ 600,000
MIPU	HARRISONVILLE 161/69KV TRANSFORMER CKT 1	Transformer Upgrade	468	16SP	6/1/2007	10/1/2008	$ 2,100,000
MIPU	Holden 12MVAR Capacitor	12MVAR Capactior at Holden 69kV	538	16SP	6/1/2016	6/1/2016	$ 400,000
MIPU	INDUSTRIAL PARK - LAKE ROAD 161KV CKT 1	Structure replacement - Higher line rating	46	07WP	12/1/2006	6/1/2008	$ 200,000
MIPU	NASHUA - SMITHVILLE 161KV CKT 1	Upgrade to bundled 795 26/7 ACSR conductor	45	11WP	12/1/2011	12/1/2011	$ 2,100,000
MIPU	PLATTE CITY - POPE 161 161KV CKT 1	Replacement of the wavetrap at Platte City	0	11WP	12/1/2011	12/1/2011	$ 200,000
MIPU	RALPH GREEN 12MVAR CAPACITOR	12MVAR at Ralph Green	252	16SP	6/1/2011	6/1/2011	$ 350,000

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OKGE	5 TRIBES - HANCOCK 161KV CKT 1	Replace 800A Wave Trap, increase Relay CTR to 1200 5A.	0	11SP	6/1/2010	6/1/2010	$ 100,000
OKGE	5 TRIBES - PECAN CREEK 161KV CKT 1	Reconductor 4.07 miles of line to 1590AS52 and replace 2-wave traps, 1-161kV breaker, 3-switches @ Five Tribes & 5-switches, relaying @ Pecan Creek.	697	16SP	6/1/2011	6/1/2011	$ 2,850,000
OKGE	ARKOMA - FT SMITHW 161KV CKT 1	Replace 1200A terminal equipment at Arkoma to 2000A and rebuild 4.47 miles of line to 1590AS52.	124	16SP	6/1/2011	6/1/2011	$ 2,900,000
OKGE	CANADIAN - CEDAR LANE 138KV CKT 1	Replace 800A trap at Cedar Lane	418	16SP	6/1/2008	6/1/2008	$ 75,000
OKGE	CANEY CREEK EHV	Tap Sunnyside - Pittsburg 345kV and build new substation between Russett and Mills Creek. Build 25 miles of 138kV from new substation to Caney Creek	404	11WP	5/1/2010	6/1/2010	$ 31,000,000
OKGE	CIMARRON - NORTHWEST 345KV CKT 1	Replace trap at Cimarron Substation	3023	11SP	6/1/2011	6/1/2011	$ 90,000
OKGE	COLONY - FT SMITH 161KV CKT 1	Reconductor 2.2 miles to Drake ACCC/TW and change terminal equipment at Ft. Smith & Colony to 2000A.	0	11SP	6/1/2010	6/1/2010	$ 1,500,000
OKGE	FAIRMONT TAP - WOODRING 138KV CKT 1	Reconductor .75 with ACCC conductor. Increase CTRs to at least 1600-5 ratio. Line relays will need to check to determine if replacement is needed.	0	11SP	6/1/2007	6/1/2009	$ 850,000
OKGE	FIXICO TAP - MAUD 138KV CKT 1 OKGE	Upgrade the CT ratio to 800A	0	16SP	6/1/2015	6/1/2015	$ 20,000
OKGE	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	Reconductor 1.27 miles of line to 1590AS52. WFEC will have to provide upgrade solution also for their Franklin (WFEC).	596	16SP	6/1/2011	6/1/2011	$ 500,000
OKGE	JENSEN ROAD - JENSEN TAP 138KV CKT 1	Replace 800A trap with 1200A trap.	1282	11SP	6/1/2011	6/1/2011	$ 75,000
OKGE	KINZE - MCELROY 138KV CKT 1	Rebuild 1.97 miles of 477AS33 to 795AS33	703	16SP	6/1/2011	6/1/2011	$ 600,000
OKGE	MILLER - WHITE EAGLE 138KV CKT 1	Replace line relay at White Eagle & Cont. Empire	234	16SP	6/1/2011	6/1/2011	$ 300,000
OKGE	MOORELAND - CIMARRON 345kV	Build 137 miles of 345kV line from Woodring - Mooreland - Cimarron and install two 345 kV terminals at Mooreland	1071	16SP	6/1/2011	6/1/2012	$ 114,441,767
OKGE	MUSKOGEE - FT SMITH 345kV	The existing Ft. Smith - Muskogee 345kV line would be cut and two new separate 345kV lines with approximate lengths of 12 miles would be built to a new 345kV substation with 345kV breakers plus relays.	0	11SP	6/1/2011	6/1/2011	$ 29,000,000
OKGE	MUSKOGEE - PECAN CREEK 345KV CKT 1	Increase CT ration at Pecan Creek from 800-5 to 2000-5 to allow a 1500 amp rating of line section.	0	16SP	6/1/2010	6/1/2010	$ 100,000
OKGE	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 3	Install 3rd bus tie at Northwest	793	16SP	6/1/2016	6/1/2016	$ 9,000,000
OKGE	PARK LANE - SEMINOLE 138KV CKT 1	Replace 1200Ct and 1600 Amp switch with 2000Amp equipment.	0	16SP	6/1/2011	6/1/2011	$ 300,000
OKGE	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	Add a 345/161 kV 369MVA transformer	117	08SP	6/1/2007	6/1/2009	$ 8,700,000
OKGE	SEMINOLE - VANOSS 138KV CKT 1	Replace a trap at Seminole.	0	16SP	6/1/2016	6/1/2016	$ 75,000
OKGE	SOONER - WOODRING 345KV CKT 1	Replace a 1600A breaker	1546	11SP	6/1/2011	6/1/2011	$ 400,000
OKGE	SOONER (SOONER5) 345/138/13.8KV TRANSFORMER CKT 3	Add 2nd 345/138kV bus tie at Sooner	1051	11SP	6/1/2011	6/1/2011	$ 5,500,000
OKGE	TARBY (TARBY2) 161/69/13.2KV TRANSFORMER CKT 1	Convert Load of the 69kV system to relieve transformer loading.	86	16SP	6/1/2011	6/1/2011	$ 6,000,000
OKGE	WAUKOMIS TAP - WOODRING 138KV CKT 1	Reconductor 2.75 miles of line with Drake ACCC conductor and increase CTR.	0	16SP	6/1/2007	6/1/2009	$ 1,500,000
OKGE	WOODRING - MOORELAND 345kV	Build 112 miles of 345kV line from Woodring - Mooreland - Cimarron and install two 345 kV terminals at Mooreland	1071	16SP	6/1/2011	6/1/2012	$ 93,558,233
OKGE	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	Install 2nd 345/138kV bus tie at Woodring	942	11SP	6/1/2011	6/1/2011	$ 6,500,000
SPRM	BROOKLINE - SUMMIT 345 kV CKT 1	Build a 345 kV line from Brookline to Summit substation and install a 345/161 kV autotransformer at Summit	0	16SP	6/1/2016	6/1/2016	$ 29,000,000

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SPS	Bailey County - Curry County 115 kV	New 115 kV 397 ACSR circuit between Bailey and Curry.	5	08SP	6/1/2007	6/1/2009	$ 11,148,185
SPS	BC-EARTH INTERCHANGE 115KV	Install 1 - 14.4 MVar capacitor bank	80	11SP	6/1/2009	6/1/2009	$ 750,000
SPS	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	Upgrade Roosevelt to Curry 115 kV circuit w/795 ACSR	119	16SP	4/1/2007	6/1/2010	$ 1,515,113
SPS	Dumas - RB-Sunray 115 kV	Build New 30 Mile 115 kV from Dumas to RB - Sunray tapping the Moore to Dalhart 115 kV line	0	16SP	6/1/2011	6/1/2011	$ 7,500,000
SPS	GSEC BAILEY COUNTY PROGRESS Interconnection	BAILEY COUNTY PROGRESS Interconnection on new 115 kV Line from Bailey County to Curry County Cost Indeterminate.	0	07SP	6/1/2007	6/1/2009	Indeterminate
SPS	GSEC Deaf Smith Deaf Smith #6 Interconnection	New Delivery Point at 51122 FRIONA 115 kV Interconnection costs indeterminate.	0	08SP	1/1/2008	1/1/2008	Indeterminate
SPS	GSEC Midway Interconnection #1	New Delivery Point tapping 69 kV Tie Line from AEPW Shamrock to SPS Magic City	0	07SP	6/1/2007	6/1/2007	$ 70,000
SPS	GSEC Midway Interconnection #2	Install 7.2 MVAR Capacitor at GSEC Midway 69 kV No Cost Assigned based on GSEC Ownership	31	07SP	6/1/2007	6/1/2007	Indeterminate
SPS	GSEC RB Sunray Interconnection	New Delivery Point on Moore to Dalhart 115 kV line Interconnection costs indeterminate.	0	07SP	6/1/2007	6/1/2007	$ 70,000
SPS	GSEC RITA BLANCA Sherman #3 Interconnection	New Delivery Point at 50622 SHERMN 115 kV Interconnection costs indeterminate.	0	16SP	9/1/2007	9/1/2007	Indeterminate
SPS	GSEC TRI COUNTY PRAIRIE Interconnection #1	New Delivery Point on Texas County to Liberal 115 kV line Interconnection costs indeterminate.	0	11SP	3/1/2007	3/1/2007	Indeterminate
SPS	GSEC TRI COUNTY PRAIRIE Interconnection #2	Move Texas County Phase Shifter to TRI COUNTY PRAIRIE Interconnection	0	07SP	3/1/2007	6/1/2008	$ 1,500,000
SPS	Hart Interchange 115/69 kV	New 115/69 kV Hart Intg with Lamton to Castro Co 69 kV ckt, 40 MVA auto Move Normally Open 69 kV Point South of Hart	384	16SP	6/1/2011	6/1/2011	$ 3,500,000
SPS	Hitchland 345 and 115 kV Interchange	New 345/115 kV Substation on Potter to Finney 345 kV line near the Texas Oklahoma border with tap of Spearman to Texas Co 115 kV line (Three breaker 345 kV bus, 345/115 Kv transformer, five 115 kV breakers)	0	16SP	4/1/2007	4/1/2010	$ 14,795,676
SPS	HOBBS 115 KV Lines	Reroute two lines into New Hobbs Substation (Cunningham to Millen 115 kV line and Cunningham to Russell 115 kV line)	605	08WP	6/1/2008	6/1/2008	$ 3,677,530
SPS	HOBBS 230/115KV TRANSFORMER CKT 2	Add 2nd 150 MVA transformer at Hobbs	362	08WP	12/1/2011	12/1/2011	$ 3,000,000
SPS	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	Add 2nd 230/115 kV transformer at Moore County	0	16SP	6/1/2008	12/1/2008	$ 6,837,000
SPS	Mooreland - TUCO 345 kV SPS	New 345 kV line from Tuco to Mooreland on wooden h-frame structures.	0	07FA	12/1/2006	6/1/2012	$ 94,396,814
SPS	NICHOLS STATION 230/115KV TRANSFORMERS	Upgrade 230/115 kV Transformers with 252 MVA	35	16SP	6/1/2008	12/1/2008	$ 6,000,000
SPS	NORTHEAST HEREFORD INTERCHANGE 115/69KV TRANSFORMER CKT 2	Add second 115/69 kV transformer	0	08SP	6/1/2008	6/1/2009	$ 1,750,000
SPS	Potter - Roosevelt 345KV	New 345 kV circuit from Potter - Roosevelt 2-795 ACSR & 345/230 kV 560 MVA transformer	0	07AP	4/1/2007	6/1/2010	$ 38,504,390
SPS	Pringle - Etter 115 kV	Build New 115 kV line from Pringle to Etter	0	07FA	6/1/2011	6/1/2011	$ 10,912,514
SPS	SPP - BLACKWATER DC Tie Expansion	Add 150 MW HVDC Tie	0	11WP	6/1/2011	6/1/2011	$ 52,500,000
SPS	SPP - LAMAR DC Tie Expansion	Add 75 MW HVDC Tie	0	11SP	6/1/2011	6/1/2011	$ 37,500,000
SPS	SPS MUST RUN GENERATION #1	SPS Voltage Instability for Tolk to Eddy 345 kV outage due to Scheduled Cunningham Outage and either High Wind Generation Level or Import Level in 2007 Fall Peak MUST Run Cunningham and Maddox Generation in order to not exceed approximately 225 MW of Flow	0	07FA	10/1/2007	10/1/2007	Indeterminate
SPS	SPS MUST RUN GENERATION #2	SPS Voltage Instability for Tolk to Eddy 345 kV outage due to Scheduled Cunningham Outage and either High Wind Generation Level or Import Level in 2007 Summer Shoulder MUST Run Cunningham and Maddox Generation in order to not exceed approximately 225 MW of Flow	0	07SH	6/1/2007	6/1/2007	Indeterminate
SPS	SPS MUST RUN GENERATION #3	SPS Voltage Instability for Tolk to Eddy 345 kV outage due to Scheduled Cunningham Outage and either High Wind Generation Level or Import Level in 2007 Winter Peak MUST Run Cunningham and Maddox Generation in order to not exceed approximately 225 MW of Flow	0	07WP	12/1/2007	12/1/2007	Indeterminate
SPS	Tex-Hitchland-Sherman Tap 115 kV ckt	Route Sherman Tap to Texas Co in/out of New Hitchland Interchange	725	11WP	4/1/2007	4/1/2010	$ 2,401,645
SPS	Tuco - Tolk 345kV	Build new 345kV line from Tuco to Tolk	0	07FA	12/1/2006	6/1/2012	$ 24,875,000
SPS	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	Install 345/115 kV Transformer at Tuco	0	07FA	12/1/2006	6/1/2012	$ 10,318,679
SPS	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	Upgrade Transformer 230/115 kV 252 MVA	0	16SP	6/1/2008	6/1/2009	$ 3,000,000

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SUNC	CTU SUBLETTE - PIONEER TAP 115KV CKT 1	Rebuild Pioneer Tap to CTU Sublette	102	11SP	6/1/2011	6/1/2011	$	2,000,000
SUNC	NORTH CIMARRON, WALKEMEYER CAPACITOR	Install 48 MVAR Capacitor bank at North Cimarron 56455 and 24 MVAR at Walkemeyer 56405	29	08WP	12/1/2008	6/1/2009	$	4,200,000
SUNC	Spearville - Mooreland 345 kV SUNC	New 345 kV line from Spearville to Kansas/Oklahoma Stateline	0	07FA	12/1/2006	6/1/2012	$	43,000,000
SWPA	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	Reconductor 6 miles of 795 ACSR with 1590 ACSR. Reconnect CT's to 1000:5 Tap on Bkrs 42, 32, & half or 22. Replace metering & reset relays for Line 2 & Line 3. Conduct Environmental Impact Study.	71	16SP	6/1/2014	6/1/2014	$	2,400,000
SWPA	BROWN - BROWN 138KV CKT 1 SWPA	Replace disconnect switches and CTs at SWPA substation (1200 amp).	0	16SP	6/1/2011	6/1/2011	$	150,000
SWPA	BROWN - RUSSETT 138KV CKT 1 SWPA	Upgrade Terminal Equipment at Brown-Switches/Wavetraps	113	16SP	6/1/2010	6/1/2010	$	150,000
SWPA	BULL SHOALS - BULL SHOALS 161KV CKT 1	Replace buswork in Bull Shoals switchyard.	0	11SP	6/1/2009	6/1/2009	$	1,400,000
SWPA	CARTHAGE - SUB 395 - CARTHAGE SOUTHWEST 161KV CKT 1	Disc. Switches are being replaced this year.	0	16SP	6/1/2016	6/1/2016	$	-
SWPA	JONES - JONESBORO 161KV CKT 1 SWPA	Change the ratio on the metering CTs to 1200/5 and adjust the meters	0	16SP	6/1/2007	2/1/2008	$	2,000
SWPA	LANE - TUPELO 138KV CKT 1	Replace breakers 32 and 42 and adjust CTs used in bus differential.	578	16SP	6/1/2011	6/1/2011	$	200,000
SWPA	ROBERT S. KERR - SUNSET CORNER 161KV CKT 1	Replace terminal equipment at RS Kerr - breaker, CTs, wave trap	406	11WP	6/1/2011	6/1/2011	$	80,000
SWPA	ROBERT S. KERR - VAN BUREN 161KV CKT 1	Remove wave traps	567	11WP	6/1/2011	6/1/2011	$	-
SWPA	Tupelo Capacitor	Add Capacitor Bank at Tupelo	851	16SP	6/1/2011	6/1/2011	$	600,000
WEPL	Cimarron Plant Substation Expansion	Integrate SUNC North Cimarron Top into reconfigured WEPL Cimarron Plant Sub	554	16SP	6/1/2011	6/1/2011	$	2,500,000
WEPL	GREENSBURG - JUDSON LARGE 115KV CKT 1	Replace relaying from Judson Large to Greensgirg	0	07SP	12/1/2006	1/1/2008	$	153,114
WEPL	MEDICINE LODGE - SUN CITY 115KV CKT 1	Replace relaying from Sun City to Medicine Lodge	66	07SP	6/1/2007	1/1/2008	$	150,000
WEPL	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 2	Second Spearville Transformer	822	11SP	6/1/2011	6/1/2011	$	4,500,000
WERE	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	Rebuild 7.61 miles from 95th & Waverly-Captain Junction 115 kV line.	0	11SP	6/1/2008	6/1/2008	$	2,580,000
WERE	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	Rebuild 1.97 miles from 95th & Waverly-East SAAP Jct 115 kV line.	28	16SP	6/1/2016	6/1/2016	$	550,000
WERE	ALLEN - LEHIGH TAP 69KV CKT 1	Tear down / Rebuild 5.69-mile line; 954 kcmil ACSR	14	16SP	6/1/2007	6/1/2008	$	2,000,000
WERE	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	Tear down / Rebuild 3.53-mile section of line, 556.5 kcmil ACSR	0	07SH	12/1/2006	6/1/2008	$	1,200,000
WERE	ATHENS SWITCHING STATION - OWL CREEK 69KV CKT 1	Tear down / Rebuild 2.93-mile 69 kV line; 954 kcmil ACSR	25	16SP	6/1/2011	6/1/2011	$	1,000,000
WERE	BOEING - STEARMAN 138KV CKT 1	Uprate 1.95 mile Boeing-Stearman 138 kV line.	629	16SP	6/1/2007	6/1/2008	$	300,000
WERE	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV CKT 1	Rebuld 5.68-mile E McPherson - Johns-Manville 115 kV line; Line owned by City of McPherson	0	08SP	6/1/2007	6/1/2009	$	2,500,000
WERE	CITY OF IOLA - UNITED NO. 9 CONGER 69KV CKT 1	Tear down / Rebuild 3.09-mile 69 kV line with 954 kcmil ACSR	26	11SP	6/1/2011	6/1/2011	$	1,100,000
WERE	CITY OF IOLA CAPACITOR	Install capacitor at City of Iola	13	07WP	6/1/2007	6/1/2009	$	500,000
WERE	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	Teardown / Rebuild 7.88-mile Gill-Clearwater 138 kV line, 954 kcmil ACSR	800	08SP	6/1/2008	5/1/2009	$	2,660,000
WERE	ENA - TIOGA 69KV CKT 1	Replace bus & jumpers at ENA 69 kV substation	17	16SP	6/1/2011	6/1/2011	$	250,000
WERE	Evans - Grant - Chisolm Rebuild and Conversion Project	Build new 8-mile EEC-Cowskin 138 kV; Rebuild 6.71-mile Cowskin-Hoover with new 138 kV double circuited with existing Cowksin-Hoover 69 kV; new lines are 2x954 kcmil ACSR	92	16SP	6/1/2007	6/1/2008	$	2,400,000
WERE	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1	Rebuild 11-mile McDowell-Ft Junction 115 kV 1&2 with 1192.5 kcmil ACSR	30	07SH	6/1/2007	6/1/2009	$	3,000,000
WERE	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	Replace wave trap	354	16SP	6/1/2016	6/1/2016	$	20,000
WERE	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	Rebuild 5.56-mile line, 954 ACSR	0	16SP	6/1/2007	6/1/2008	$	2,200,000
WERE	HOYT - JEFFERY ENERGY CENTER 345KV CKT 1 REDISPATCH	REDISPATCH	106	07G_	4/1/2007	4/1/2007	$	-
WERE	LAWRENCE HILL - WREN 115KV CKT 1	Rebuild 3.43 mile Lawrence Hill-Wren 115 kV line.	0	16SP	6/1/2010	6/1/2010	$	1,200,000
WERE	LEHIGH TAP - OWL CREEK 69KV CKT 1	Tear down / Rebuild 8.47-mile 69 kV line; 954 kcmil ACSR	17	16SP	6/1/2007	6/1/2008	$	2,900,000
WERE	LEHIGH TAP - UNITED NO. 9 CONGER 69KV CKT 1	Tear down / Rebuild 0.91-mile 69 kV line; 954 kcmiol ACSR	23	16SP	6/1/2008	11/1/2007	$	310,000
WERE	MARMTNE5 (MARMTN1X) 161/69/13.2KV TRANSFORMER CKT 1	Install second Marmaton 161-69 kV transformer	8	16SP	6/1/2015	6/1/2015	$	2,000,000
WERE	NORTHVIEW - SUMMIT 115KV CKT 1	Uprate line to 100oC and replace wave trap	71	07SH	12/1/2006	10/1/2007	$	610,000
WERE	OXFORD CAPACITORS	Install Capacitor Bank at Oxford	0	16SP	6/1/2011	6/1/2011	$	500,000
WERE	TIMBER JUNCTION - UDALL 69KV CKT 1	Tear down / Rebuild Udall-Timber Jct 69 kV using 954 kcmil ACSR	0	11SP	6/1/2008	6/1/2008	$	700,000
WERE	WEST MCPHERSON - WHEATLAND 115KV CKT 1	Rebuild 7.88 mile West McPherson-Wheatland 115 kV line.	368	08SP	6/1/2008	6/1/2008	$	2,200,000
WFEC	DOVER SWITCH CAPACITOR	12 MVAR at Dover Switch	619	16SP	6/1/2011	6/1/2011	$	100,000
WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	Replace switches and wavetrap at Franklin Switch to 2000A	596	16SP	6/1/2011	6/1/2011	$	100,000
WFEC	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	Replace 70 MVA Auto with 112 MVA autotranformer (100 MVA base Rating), Upgrade 138 and 69 KV buswork and switches.	188	08SP	6/1/2008	6/1/2008	$	1,005,000
WFEC	Hugo - SunnySide 345kV	Add 345 line from Hugo to SunnySide	2078	11SP	5/1/2010	6/1/2010	$	50,000,000
WFEC	HUGO 345/138KV TRANSFORMER CKT 2	Add 2nd 500 MVA 345/138KV Auto	2078	11SP	5/1/2010	6/1/2010	$	2,500,000
WFEC	Mooreland - TUCO 345 kV WFEC	345 kV line Terminal	0	07FA	12/1/2006	6/1/2012	$	2,500,000
WFEC	Mooreland 345/138 kV Transformer CKT 1	New Mooreland 345/138 kV Transformer #1	0	07FA	12/1/2006	6/1/2012	$	5,000,000
WFEC	Mooreland 345/138 kV Transformer CKT 2	New Mooreland 345/138 kV Transformer #2	0	07FA	12/1/2006	6/1/2012	$	5,000,000
WFEC	PINK SWITCH CAPACITOR	New 12 MVAR Cap Bank at Pink Switch	73	16SP	6/1/2011	6/1/2011	$	350,000
WFEC	Spearville - Mooreland 345 kV WFEC	New 345 kV line from Kansas/Oklahoma Stateline to Mooreland	0	07FA	12/1/2006	6/1/2012	$	29,000,000

Table 3 - Upgrade Requirements and Solutions Needed to Provide Transmission Service for the Aggregate Study

Construction Pending Projects - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Transmission Owner	Upgrade	Solution	Minimum ATC per Upgrade (MW)	Season of Minimum Allocated ATC	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	AEPW PLANNED UPGRADE FOR NW ARKANSAS	NW Project phase II scheduled to be in-service 06/2009	0	07G_	12/1/2006	6/1/2009
AEPW	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	Tie Line, Rebuild 1.09 miles of 795 ACSR with 1590 ACSR.	506	08SP	6/1/2008	4/1/2009
GRDA	Ramona 138/69 kV	Add 138/69kV substation near Ramona	152	07AP	4/1/2007	10/1/2008
MIDW	PHILLIPSBURG - RHOADES	New line between Phillipsburg and Rhoades scheduled to be in service by 6/1/2008	0	07SP	6/1/2007	6/1/2008
MIPU	IATAN - ST JOE 345KV CKT 1	Circuit Breaker	0	11WP	6/1/2011	4/1/2008
SPS	HOBBS Substation and Lines	New 230/115 kV Substation on Lea Co to Midland 230 kV line with reroute of the Maddox to Lea Co 115 kV line	352	07WP	12/1/2007	6/1/2008
SPS	Mustang-San Andr-Amerada Hess 115KV	Terminate V53 at Mustang instead of Denver City - 3 mi of new 115 kV circuit. Mustang-San Andr-Amerada Hess 115 kV ckt	0	07SP	4/1/2007	6/1/2008
SPS	TUCO INTERCHANGE 230KV #1	SPS Proposed Plan for SPP-2004-006,007,008,009 WTMPA to 2 50 MVAR Shunt Capacitors at TUCO 230 kV, a 50 MVAR Shunt Capacitor at Swisher 230 kV, a 50 MVAR Shunt Capacitor at Lubbock South 230 kV, and a 50 MVAR Shunt Capacitor at Carlisle 230 kV	304	07SP	6/1/2007	6/1/2007
SPS	TUCO INTERCHANGE 230KV #2	SPS Proposed Plan for SPP-2004-006,007,008,009 WTMPA to Add +150/-50 SVC at TUCO 230 kV	454	08SP	6/1/2008	6/1/2008
WERE	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	Tear down and rebuild 7.22 mile Jarbalo-166 115 kV line.	0	08SP	6/1/2008	6/1/2009
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	Tie Line, Rebuild 3.93 miles of 795 ACSR with 1590 ACSR.	506	08SP	6/1/2008	4/1/2009
WERE	GILL ENERGY CENTER WEST - PECK 69KV CKT 1	Rebuild 10.46 mile Gill-Peck line 138 kV line, but operated at 69 kV	0	08SP	6/1/2007	6/1/2008
WERE	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	Rebuild 5.43 mile Rose Hill Junction-Richland as a 138 kV line but operate at 69 kV.	0	07SP	6/1/2007	6/1/2008
WERE	RICHLAND - UDALL 69KV CKT 1	Tear down / Rebuild 8.48-mile Richland-Udall 69 kV line using 954 kcmil ACSR	0	11SP	6/1/2007	5/1/2009
WERE	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	Add third 345-138 kV transformer at Rose Hill	0	07SP	6/1/2007	6/1/2008
WERE	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	Rebuild 5.73 mile Weaver-Rose Hill Junction as a 138 kV line but operate at 69 kV.	0	08SP	4/1/2007	6/1/2009
WERE	WICHITA - RENO 345 kV CKT 1	Build 345kV from Wichita to Reno Co	0	06WP	12/1/2006	6/1/2011
WFEC	ALTUS JCT TAP - RUSSELL 138KV CKT 1	WFEC has plans to Increase CT Rating. Project should be inservce by 6/1/2008	304	08SP	6/1/2008	6/1/2008

Table 3 - Upgrade Requirements and Solutions Needed to Provide Transmission Service for the Aggregate Study

Expansion Plan Projects - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Transmission Owner	Upgrade	Solution	Minimum ATC per Upgrade (MW)	Season of Minimum Allocated ATC	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	Rebuild 1.68 miles of 1024 ACAR with 2156 ACSR, Replace wavetrap & jumpers with 2156 ACSR. Replace Switch 2285 @ Alumax Tap.	0	16SP	6/1/2007	4/1/2009
AEPW	BONANZA TAP - NORTH HUNTINGTON 161kV	Build new 161 kV switching station at Bonanza Tap along with new 161 kV line from Bonanza Tap to North Huntington via Excelsior. Convert Excelsior to 161 kV.	2053	16SP	6/1/2016	6/1/2016
AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW	Rebuild 7.66 miles of 3/0 CW CU with 795 ACSR	0	08SP	12/1/2007	3/1/2009
AEPW	CARTHAGE REC - ROCK HILL 138KV CKT 1	Replace transformer differential relay and reset cts	0	16SP	6/1/2016	6/1/2016
AEPW	DAINGERFIELD - JENKINS REC T 69KV CKT 1	Replace Daingerfield Breaker # 1M90 & reset relays	0	16SP	6/1/2011	6/1/2011
AEPW	DIERKS & MENA CAPACITOR	Install additional 10.8 MVAR banks @ Mena (53280) & Dierks (53259)	7	16SP	12/1/2007	4/1/2009
AEPW	ELK CITY - ELK CITY 69KV CKT 1 AEPW	Replace metering CTs & Jumpers and reset relay Cts	0	16SP	6/1/2011	6/1/2011
AEPW	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	Replace 69 kVswitches	400	16SP	6/1/2011	6/1/2011
AEPW	LINWOOD - MCWILLIE STREET 138KV CKT 1	Rebuild 2.09 miles of 666 ACSR with 1272 ACSR	0	08SP	6/1/2007	4/1/2009
AEPW	PORT ROBSON - REDPOINT 138kV	New 138 kV line from Port Robson - Red Point via McDade & Haughton. Convert McDade & Haughton to 138 kV.	64	16SP	6/1/2011	6/1/2011
AEPW	WALTERS CAPACITOR	Install 6 MVAR capacitor bank @ Walters	0	11WP	6/1/2011	6/1/2011
AEPW	WEATHERFORD CAPACITOR	Install 9.6 MVAR cap bank @ Weatherford SE or Weatherford Jct	1307	16SP	6/1/2011	6/1/2011
KACP	AVONDALE - GLADSTONE 161KV CKT 1	Replace 800 amp wavetrap at Gladstone with 1200 amp wavetrap	906	16SP	6/1/2016	6/1/2016
KACP	IATAN - STRANGER CREEK 345KV CKT 2	Convert Iatan-Stranger Creek 161kV line to 345kV	0	16SP	6/1/2011	6/1/2011
MIPU	ANACONDA - FREEMAN 69KV CKT 1	Conductor	89	08SP	6/1/2008	12/1/2008
MIPU	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	Conductor	218	16SP	6/1/2016	6/1/2016
MIPU	CLINTON - CLINTON PLANT 69KV CKT 1	Upgrade line to 795 26/7 ACSR conductor	402	16SP	6/1/2010	6/1/2010
MIPU	HARRIONSVILLE NORTH - RALPH GREEN 69KV CKT 1	Conductor	89	11SP	6/1/2010	6/1/2010
MIPU	IATAN - STRANGER CREEK 345KV CKT 2	Convert Iatan-Stranger Creek 161kV line to 345kV	0	16SP	6/1/2011	6/1/2011
MIPU	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	Upgrade to bundled 795 26/7 ACSR conductor	0	06WP	12/1/2006	6/1/2009
OKGE	FIXICO CAPACITOR	Install capacitors at Fixico	268	16SP	6/1/2016	6/1/2016
OKGE	SPIRO COAL CAPACITORS	Install emergency capacitors in Spiro Coal Area.	272	16SP	6/1/2016	6/1/2016
SPS	CARLSBAD PLANT 115/69KV TRANSFORMERS	Upgrade to 75 MVA transformers	0	16SP	6/1/2007	6/1/2008
SPS	Hart Interchange 230/115 kV	New 230/115 kV Hart Intg with 115 kV 397 ACSR ckt to Kress Int, 3-brkr 230 kV ring, 150 MVA auto, 115 kV terminal	237	16SP	6/1/2011	6/1/2011
SPS	KRESS INTERCHANGE 115/69KV TRANSFORMERS	Upgrade both existing transformer	0	16SP	6/1/2011	6/1/2011
SPS	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	Install 252 MVA Transformer	0	07WP	4/1/2007	6/1/2008
SPS	Seven Rivers to Pecos to Potash Junction 230kV	Seven Rivers to Pecos to Potash Junction 230kV	67	08SP	6/1/2008	6/1/2009
SPS	Stateline Project	Tap Elk City - Grapevine. New line from Stateline Tap to Graves Co. New 115/69xfmr at Graves Co.	260	16SP	6/1/2010	6/1/2010
SPS	TUCO INTERCHANGE 115/69KV TRANSFORMER	Move Load to 115 kV at TUCO	0	16SP	6/1/2011	6/1/2011
SWPA	EUFAULA (EUFAULA1) 161/138/13.8KV TRANSFORMER CKT 1	Replace Eufaula Transformer	266	11WP	6/1/2011	6/1/2011
WEPL	CLAY CENTER - GREENLEAF 115KV CKT 1	Building a new 115 kV tie with Westar from Greenleaf to Clay Center	0	11SP	6/1/2011	6/1/2011

Table 3 - Upgrade Requirements and Solutions Needed to Provide Transmission Service for the Aggregate Study

WERE	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	Rebuild 16.66-mile line, 1192.5 kcmil ACSR	0	16SP	12/1/2007	6/1/2010
WERE	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	Rebuild 15.15 mile line with 1192.5 kcmil ACSR and replace CTs	0	07WP	12/1/2007	6/1/2010
WERE	CRESWELL (CRESWL2X) 138/69/13.2KV TRANSFORMER CKT 1	Replace both 138-69 kv transformers with 150/165 MVA units	0	16SP	6/1/2007	4/1/2009
WERE	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	2nd Dearing 138-69 kV Transformer	168	11WP	12/1/2011	12/1/2011
WERE	EXIDE JUNCTION - SUMMIT 115KV CKT 1	Rebuild and reconductor 0.34 miles with 1192 ACSR and rebuild substations.	0	07SH	12/1/2006	11/1/2007
WERE	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 1.53-mile Co-op-Wakarusa 115 kV line.	0	07SP	6/1/2007	6/1/2008
WERE	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 2	Rebuild 11-mile McDowell-Ft Junction 115 kV 1&2 with 1192.5 kcmil ACSR	58	07SH	6/1/2007	6/1/2009
WERE	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	Rebuild Gill-Gill Jct	0	16SP	6/1/2007	3/1/2008
WERE	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	Install transfer trip relay to automatically open Gill transformer #3 high side breaker (57044-57796-56733).	0	08SP	6/1/2007	12/1/2008
WERE	GILLJCT269.0 - OATVILLE 69KV CKT 1	Rebuild 0.14-mile Gill-Oatville 69 kV line.	0	16SP	6/1/2014	6/1/2014
WERE	JARBALO JUNCTION SWITCHING STATION - LAWRENCE ENERGY CENTER UNIT 4 115KV CKT 1	Uprate 3.73 mile LEC-Jarbalo 115 kV line.	0	11SP	6/1/2009	6/1/2009
WERE	KELLY - KING HILL N.M. COOP 115KV CKT 1	Reconductor 9.61 mile line with 1192.5 kcmil ACSR and replace CTs.	0	11WP	12/1/2008	12/1/2008
WERE	KELLY - SOUTH SENECA 115KV CKT 1	Rebuild 10.28 mile line with 1192.5 kcmil ACSR and replace CTs.	0	16SP	6/1/2007	6/1/2008
WERE	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	Install second Lawrence Hill 230-115 kV transformer.	0	16SP	6/1/2007	12/1/2008
WERE	LITCHFIELD (LITCH 1X) 161/69/13.2KV TRANSFORMER CKT 1	New 69 kV interconnection at Ft Scott with AECI	0	16SP	6/1/2011	6/1/2011
WERE	LITCHFIELD (LITCH 2X) 161/69/13.2KV TRANSFORMER CKT 1	New 69 kV interconnection at Ft Scott with AECI	0	16SP	6/1/2011	6/1/2011
WERE	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	Tear down and rebuild 6.40 mile Mockingbird-Stull Tap 115 kV line.	0	08SP	6/1/2007	6/1/2008
WERE	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	Replace bus and Jumpers at NE Parsons 138 kV substation	0	16SP	6/1/2011	6/1/2011
WERE	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 4.09 mile SW Lawrence-Wakarusa 115 kV line	0	16SP	6/1/2008	6/1/2008
WERE	STRANGER CREEK TRANSFORMER CKT 2	Install second Stranger Creek 345-115 transformer	155	08SP	6/1/2007	12/1/2008
WERE	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	Rebuild 9.84-mile line, 1192.5 ACSR	0	07FA	10/1/2007	4/1/2009
WFEC	ANADARKO - CYRIL 69KV CKT 1	Anadarko-Cyril 336>795 Reconductor 13 miles from 336 to 795 ACSR	0	16SP	6/1/2009	6/1/2009
WFEC	CYRIL - MEDICINE PARK JCT 69KV CKT 1	Cyril >MedparkJct 336>795: Reconductor 12.9 miles from 336 to 795 ACSR	1	16SP	6/1/2014	6/1/2014
WFEC	MARIETTA SWITCH CAPACITOR	12 MVAR at Marietta Switch	600	11WP	6/1/2011	6/1/2011
WFEC	Norman Area Voltage Conversion	Convert Canadian - OU - Cole - Criner to 138 KV and Canadian-Goldsby-OU-W Norman-Acme-Franklin	0	07WP	4/1/2007	6/1/2009
WFEC	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	Sayre to Sweetwater>Durham>Brantley>MorewoodSw convert to 138 KV	349	16SP	6/1/2011	6/1/2011

Table 3 - Upgrade Requirements and Solutions Needed to Provide Transmission Service for the Aggregate Study

Previously Assigned Aggregate Study Upgrades requiring credits to Previous Aggregate Study Customers

Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	Reset Relays @ 36th & Lewis	6/1/2016	6/1/2016
AEPW	ALUMAX TAP - BANN 138KV CKT 1	Replace six (6) 138 kV switches, five at Bann & one at Alumax Tap. Rebuild 0.67 miles of 1024 ACAR with 2156 ACSR. Replace wavetrap & jumpers @ Bann. Replace breaker 3300 @ Bann.	6/1/2008	6/1/2008
AEPW	BANN - NW TEXARKANA-BANN T 138KV CKT 1	Reset Relays	6/1/2012	6/1/2012
AEPW	CACHE - SNYDER 138KV CKT 1	Replace Snyder wavetrap	6/1/2008	6/1/2008
AEPW	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW Displacement	Rebuild line using 1590 ACSR	6/1/2011	6/1/2011
AEPW	EAST CENTRAL HENRYETTA - OKMULGEE 138KV CKT 1	Replace Okmulgee Wavetrap	12/1/2006	12/1/2006
AEPW	EAST CENTRAL HENRYETTA - WELEETKA 138KV CKT 1	Replace Weleetka Wavetrap	6/1/2007	6/1/2007
AEPW	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	Reconductor 1.9 miles with ACCC. Replace wave trap jumpers at Riverside.	6/1/2009	6/1/2009
AEPW	HUGO POWER PLANT - VALLIANT 345 KV AEPW	Vallient 345 KV line terminal	5/1/2010	5/1/2010
EMDE	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	Reconductor Oronogo 59467 to Riverton 59469 with Bundled 556 ACSR	6/1/2011	6/1/2011
GRRD	412SUB - KANSAS TAP 161KV CKT 1	Reconductor 9.7 miles with 1590MCM ACSR.	6/1/2015	6/1/2015
GRRD	412SUB - KERR 161KV CKT 1	Reconductor 12.5 miles with 1590MCM ACSR	6/1/2015	6/1/2015
KACP	COLLEGE - CRAIG 161KV CKT 1	Reconductor 4 miles with 1192.5 ACSS, 558 normal/emergency rating and upgrade breaker.	6/1/2016	6/1/2016
KACP	LACYGNE - WEST GARDNER 345KV CKT 1	KCPL Sponsored Project to Reconductor Line to be In-Service by 6/1/2006	6/1/2006	6/1/2006
MIPU	PLATTE CITY - POPE 161 161KV CKT 1	Replacement of the wavetrap at Platte City	12/1/2011	12/1/2011
OKGE	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	replace 636AS33 conductor with 795AS33	6/1/2008	6/1/2010
OKGE	ARCADIA - REDBUD 345 KV CKT 1	Sponsored Project to Uprate Terminal Equipment	6/1/2006	6/1/2006
OKGE	ARCADIA - REDBUD 345 KV CKT 2	Sponsored Project to Uprate Terminal Equipment	6/1/2006	6/1/2006
OKGE	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	Reconductor .92miles of line with Drake ACCC/TW.	6/1/2009	6/1/2009
OKGE	BROWN - EXPLORER TAP 138KV CKT 1	Upgrade CT to 800A at Brown.	6/1/2008	6/1/2008
OKGE	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	Reconductor 1.82 miles line with Drake ACCC/TW.	6/1/2009	6/1/2009
OKGE	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	OGE would rebuild .18 miles of 267AS33 with 795AS33. This would raise OGE's summer and winter Rate B to 287MVA. The limit will still be at WFEC's Mooreland at 390A & 600A.	6/1/2006	4/1/2008
OKGE	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 2 Displacement	Add 2nd 345/161 kV 369MVA transformer.	6/1/2008	6/1/2010
OKGE	Sooner to Rose Hill 345 kV OKGE	New 345 kV line from Sooner to Oklahoma/Kansas	6/1/2016	6/1/2016
SPS	Bailey County - Curry County 115 kV Displacement	New 115 kV 397 ACSR circuit between Bailey and Curry.	6/1/2011	6/1/2011
SPS	Hitchland 345 and 115 kV Interchange	Three breaker 345 kV bus, 345/115 kV transformer, five 115 kV breakers.	6/1/2008	10/1/2009
SPS	Mustang-San Andr-Amerada Hess 115KV Displacement	Terminate V53 at Mustang instead of Denver City - 3 mi of new 115 kV circuit. Mustang-San Andr-Amerada Hess 115 kV ckt	4/1/2007	6/1/2008
SPS	Tex-Hitchland-Sherman Tap 115 kV ckt	Route Sherman Tap to Texas Co in/out of New Hitchland Interchange	6/1/2008	10/1/2009
WEPL	MEDICINE LODGE - SUN CITY 115KV CKT 1	Upgrade CTs and Wave Trap Limits	6/1/2007	10/1/2007
WERE	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	Tear down and rebuild 3.66 mile 166-Jaggard 115 kV line.	6/1/2009	6/1/2009
WERE	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	Tear down and rebuild 7.22 mile Jarbalo-166 115 kV line.	6/1/2009	6/1/2009
WERE	BELL - PECK 69KV CKT 1	Rebuild 8.23 mile Bell-Peck 69 kV line.	6/1/2007	6/1/2007
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE Displacement	Tie Line, Rebuild 3.93 miles of 795 ACSR with 1590 ACSR.	6/1/2011	6/1/2011
WERE	GILL ENERGY CENTER WEST - PECK 69KV	Rebuild 10.46 mile Gill-Peck line 138 kV line, but operated at 69 kV	6/1/2006	6/1/2009
WERE	JAGGARD JUNCTION - PENTAGON 115KV CKT 1	Tear down and rebuild Jaggard - Pentagon 115 kV line.	6/1/2009	6/1/2009
WERE	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	Rebuild 5.43 mile Rose Hill Junction-Richland as a 138 kV line but operate at 69 kV.	6/1/2015	6/1/2015
WERE	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	Add third 345-138 kV transformer at Rose Hill	6/1/2008	6/1/2008
WERE	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	Rebuild 5.73 mile Weaver-Rose Hill Junction as a 138 kV line but operate at 69 kV.	6/1/2006	6/1/2009
WERE	Sooner to Rose Hill 345 kV WERE	New 345 kV line from Oklahoma/Kansas Stateline to Rose Hill	6/1/2016	6/1/2016
WERE	STRANGER CREEK - NW LEAVENWORTH 115KV	Teardown/rebuild Jarbalo-NW Leavenworth 115 kV line with double circuit tap to Stranger Creek	6/1/2010	6/1/2010
WFEC	ANADARKO 138/69KV TRANSFORMER CKT 1	Install 2nd 112 MVA auto in parallel with existing Unit	6/1/2011	6/1/2011
WFEC	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	Upgrade terminal equipment FPL Sw & Mooreland	6/1/2006	4/1/2008
WFEC	HUGO POWER PLANT - VALLIANT 345 KV WFEC	New 345/138 kv Auto, and 19 miles 345 KV	5/1/2010	5/1/2010

Table 4 - Third Party Facility Constraints

Transmission Owner	Upgrade	Solution	Estimated Engineering & Construction Cost
	Undetermined at This Time	Indeterminate	Indeterminate

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: ALLEN - LEHIGH TAP 69KV CKT 1
Limiting Facility: ALLEN - LEHIGH TAP 69KV CKT 1
Direction: From->To
Line Outage: TIOGA - UNITED NO. 7 ROSE 69KV CKT 1
Flowgate: 576215763815764657649113075P
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1138303	7.0	7.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'ABILENE ENERGY CENTER 115KV'	40	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'CHANUTE 69KV'	56.723	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'CITY OF AUGUSTA 69KV'	20.02	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'CITY OF BURLINGTON 69KV'	7.8	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'CITY OF ERIE 69KV'	23.27	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'CITY OF FREDONIA 69KV'	3.895	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'CITY OF GIRARD 69KV'	4.789	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'CITY OF MULVANE 69KV'	8.288	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'CITY OF WELLINGTON 69KV'	41.45	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'CLAY CENTER JUNCTION 115KV'	22.939	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'EVANS ENERGY CENTER 138KV'	510	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'GILL ENERGY CENTER 138KV'	155	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'GILL ENERGY CENTER 69KV'	45	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'HUTCHINSON ENERGY CENTER 115KV'	160.4717	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'LAWRENCE ENERGY CENTER 230KV'	229.0599	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0	-1	7
WERE	'CITY OF IOLA 69KV'	37.361	-1	WERE	'WACO 138KV'	17.96	0	-1	7

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: ALUMAX TAP - BANN 138KV CKT 1
Limiting Facility: ALUMAX TAP - BANN 138KV CKT 1
Direction: From->To
Line Outage: SPP-AEPW-29
Flowgate: 53245532501SPP-AEPW-291107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1158760	4.8	4.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COMANCHE 138KV'	160	0.01253	-0.10006	48
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COMANCHE 69KV'	63	0.01248	-0.10001	48
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.01221	-0.09974	48
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WELSH 345KV'	990	0.01233	-0.09986	48
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WEATHERFORD 34KV'	148	0.01163	-0.09916	49
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WELEETKA 138KV'	70	0.00967	-0.0972	49
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.0964	50
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.09565	50
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.09565	50
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00812	-0.09565	50
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'OEC 345KV'	356	0.00859	-0.09612	50
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'RIVERSIDE STATION 138KV'	631	0.00883	-0.09636	50
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'TULSA POWER STATION 138KV'	75	0.00875	-0.09628	50
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'TULSA POWER STATION 138KV'	111	0.00875	-0.09628	50
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.09463	51
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'FLINT CREEK 161KV'	420	0.00717	-0.0947	51
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'FITZHUGH 161KV'	126	0.00385	-0.09138	53
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'LEBROCK 345KV'	365	-0.0088	-0.07873	61
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NARROWS 69KV'	22	-0.00825	-0.07928	61
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'PIRKEY GENERATION 138KV'	475	-0.01307	-0.07446	65
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'COMANCHE 138KV'	160	0.01253	-0.07325	66
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'COMANCHE 69KV'	63	0.01248	-0.0732	66
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.01221	-0.07293	66
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'WEATHERFORD 34KV'	148	0.01163	-0.07235	66
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'WELSH 345KV'	990	0.01233	-0.07305	66
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'EASTMAN 138KV'	155	-0.01557	-0.07196	67
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'KNOXLEE 138KV'	210.6434	-0.0156	-0.07193	67
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'WELEETKA 138KV'	70	0.00967	-0.07039	68
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WILKES 345KV'	311	-0.01733	-0.0702	69
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.06959	69
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'OEC 345KV'	356	0.00859	-0.06931	69
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'RIVERSIDE STATION 138KV'	631	0.00883	-0.06955	69
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'TULSA POWER STATION 138KV'	75	0.00875	-0.06947	69
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'TULSA POWER STATION 138KV'	111	0.00875	-0.06947	69
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.06884	70
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.06884	70
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00812	-0.06884	70
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.06782	71
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'FLINT CREEK 161KV'	420	0.00717	-0.06789	71
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'FITZHUGH 161KV'	126	0.00385	-0.06457	74
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'LIEBERMAN 138KV'	73.99999	-0.02647	-0.06106	79
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'LEBROCK 345KV'	365	-0.0088	-0.05192	93
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'PIRKEY GENERATION 138KV'	475	-0.01307	-0.04765	101
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'EASTMAN 138KV'	155	-0.01557	-0.04515	107
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'KNOXLEE 138KV'	210.6434	-0.0156	-0.04512	107
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'WILKES 345KV'	311	-0.01733	-0.04339	111
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'COMANCHE 138KV'	160	0.01253	-0.039	123
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'COMANCHE 69KV'	63	0.01248	-0.03895	123
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.01221	-0.03868	124

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'WELSH 345KV'	990	0.01233	-0.0388	124
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'WEATHERFORD 34KV'	148	0.01163	-0.0381	126
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'WELEETKA 138KV'	70	0.00967	-0.03614	133
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.03534	136
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'RIVERSIDE STATION 138KV'	631	0.00883	-0.0353	136
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'OEC 345KV'	356	0.00859	-0.03506	137
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'TULSA POWER STATION 138KV'	111	0.00875	-0.03522	137
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'TULSA POWER STATION 138KV'	75	0.00875	-0.03522	137
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COMANCHE 138KV'	160	0.01253	-0.03491	138
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COMANCHE 69KV'	63	0.01248	-0.03486	138
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.01221	-0.03459	139
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'WELSH 345KV'	990	0.01233	-0.03471	139
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.03459	139
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.03459	139
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00812	-0.03459	139
AEPW	'WILKES 138KV'	161.6537	-0.06072	AEPW	'LIEBERMAN 138KV'	73.99999	-0.02647	-0.03425	140
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'WEATHERFORD 34KV'	148	0.01163	-0.03401	141
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.03357	143
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'FLINT CREEK 161KV'	420	0.00717	-0.03364	143
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'COMANCHE 138KV'	160	0.01253	-0.03315	145
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'COMANCHE 69KV'	63	0.01248	-0.0331	145
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'WELSH 345KV'	990	0.01233	-0.03295	146
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.01221	-0.03283	147
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'WEATHERFORD 34KV'	148	0.01163	-0.03225	149
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'WELEETKA 138KV'	70	0.00967	-0.03205	150
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.03125	154
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'RIVERSIDE STATION 138KV'	631	0.00883	-0.03121	154
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'OEC 345KV'	356	0.00859	-0.03097	155
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'TULSA POWER STATION 138KV'	111	0.00875	-0.03113	155
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'TULSA POWER STATION 138KV'	75	0.00875	-0.03113	155
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.0305	158
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.0305	158
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00812	-0.0305	158
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'WELEETKA 138KV'	70	0.00967	-0.03029	159
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'FITZHUGH 161KV'	126	0.00385	-0.03032	159

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1
Limiting Facility: ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1
Direction: To->From
Line Outage: SPP-AEPW-29
Flowgate: 53245533001SPP-AEPW-291107SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1158760	4.6	4.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COMANCHE 138KV'	160	0.01253	-0.10006	46
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COMANCHE 69KV'	63	0.01248	-0.10001	46
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.01221	-0.09974	46
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WEATHERFORD 34KV'	148	0.01163	-0.09916	46
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WELSH 345KV'	960	0.01233	-0.09986	46
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.0964	48
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.09565	48
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 138KV'	381	0.00812	-0.09565	48
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 345KV'	608	0.00812	-0.09565	48
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'OEC 345KV'	356	0.00859	-0.09612	48
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'RIVERSIDE STATION 138KV'	422	0.00883	-0.09636	48
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'TULSA POWER STATION 138KV'	38	0.00875	-0.09628	48
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.09463	49
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'FLINT CREEK 161KV'	400	0.00717	-0.0947	49
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'FITZHUGH 161KV'	103	0.00385	-0.09138	50
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'LEBROCK 345KV'	365	-0.0088	-0.07873	58
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NARROWS 69KV'	22	-0.00825	-0.07928	58
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'PIRKEY GENERATION 138KV'	440	-0.01307	-0.07446	62
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'COMANCHE 138KV'	160	0.01253	-0.07325	63
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'COMANCHE 69KV'	63	0.01248	-0.0732	63
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.01221	-0.07293	63
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'WELSH 345KV'	960	0.01233	-0.07305	63
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'EASTMAN 138KV'	155	-0.01557	-0.07196	64
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'KNOXLEE 138KV'	54.98049	-0.0156	-0.07193	64
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'WEATHERFORD 34KV'	148	0.01163	-0.07235	64
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WILKES 345KV'	129	-0.01733	-0.0702	66
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.06959	66
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'OEC 345KV'	356	0.00859	-0.06931	66
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'RIVERSIDE STATION 138KV'	422	0.00883	-0.06955	66
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'TULSA POWER STATION 138KV'	38	0.00875	-0.06947	66
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'NORTHEASTERN STATION 138KV'	381	0.00812	-0.06884	67
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.06884	67
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'NORTHEASTERN STATION 345KV'	608	0.00812	-0.06884	67
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.06782	68
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'FLINT CREEK 161KV'	400	0.00717	-0.06789	68
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'FITZHUGH 161KV'	103	0.00385	-0.06457	71
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'LEBROCK 345KV'	365	-0.0088	-0.05192	89
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'PIRKEY GENERATION 138KV'	440	-0.01307	-0.04765	97
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'EASTMAN 138KV'	155	-0.01557	-0.04515	102
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'KNOXLEE 138KV'	54.98049	-0.0156	-0.04512	102
AEPW	'WILKES 138KV'	383.6844	-0.06072	AEPW	'WILKES 345KV'	129	-0.01733	-0.04339	106
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'COMANCHE 138KV'	160	0.01253	-0.039	118
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'COMANCHE 69KV'	63	0.01248	-0.03895	118
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.01221	-0.03868	119
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'WELSH 345KV'	960	0.01233	-0.0388	119
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'WEATHERFORD 34KV'	148	0.01163	-0.0381	121
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.03534	130
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'RIVERSIDE STATION 138KV'	422	0.00883	-0.0353	130
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'OEC 345KV'	356	0.00859	-0.03506	131
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COMANCHE 138KV'	160	0.01253	-0.03491	132

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COMANCHE 69KV'	63	0.01248	-0.03486	132
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.01221	-0.03459	133
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'WELSH 345KV'	960	0.01233	-0.03471	133
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'NORTHEASTERN STATION 138KV'	381	0.00812	-0.03459	133
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.03459	133
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'NORTHEASTERN STATION 345KV'	608	0.00812	-0.03459	133
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'WEATHERFORD 34KV'	148	0.01163	-0.03401	135
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.03357	137
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'FLINT CREEK 161KV'	400	0.00717	-0.03364	137
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'COMANCHE 138KV'	160	0.01253	-0.03315	139
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'COMANCHE 69KV'	63	0.01248	-0.0331	139
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.01221	-0.03283	140
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'WELSH 345KV'	960	0.01233	-0.03295	140
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'WEATHERFORD 34KV'	148	0.01163	-0.03225	143
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.03125	147
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'RIVERSIDE STATION 138KV'	422	0.00883	-0.03121	148
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'OEC 345KV'	356	0.00859	-0.03097	149
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 138KV'	381	0.00812	-0.0305	151
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.0305	151
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 345KV'	608	0.00812	-0.0305	151
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'FITZHUGH 161KV'	103	0.00385	-0.03032	152

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1
Limiting Facility: ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: WR-DOUBLE12
Flowgate: 57321573281WR-DOUBLE122207FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162703	4.1	7.1
1167662	2.3	7.1
1167664	0.7	7.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CLAY CENTER JUNCTION 115KV'	29.88399	-0.53018	WERE	'CHANUTE 69KV'	56.296	0.00104	-0.53122	13
WERE	'CLAY CENTER JUNCTION 115KV'	29.88399	-0.53018	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0008	-0.53098	13
WERE	'CLAY CENTER JUNCTION 115KV'	29.88399	-0.53018	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00185	-0.53203	13
WERE	'CLAY CENTER JUNCTION 115KV'	29.88399	-0.53018	WERE	'CITY OF IOLA 69KV'	24.256	0.00116	-0.53134	13
WERE	'CLAY CENTER JUNCTION 115KV'	29.88399	-0.53018	WERE	'CITY OF MULVANE 69KV'	4.891	0.00028	-0.53046	13
WERE	'CLAY CENTER JUNCTION 115KV'	29.88399	-0.53018	WERE	'CITY OF WELLINGTON 69KV'	24	-0.00016	-0.53002	13
WERE	'CLAY CENTER JUNCTION 115KV'	29.88399	-0.53018	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00185	-0.53203	13
WERE	'CLAY CENTER JUNCTION 115KV'	29.88399	-0.53018	WERE	'EVANS ENERGY CENTER 138KV'	61.24711	0.00077	-0.53095	13
WERE	'CLAY CENTER JUNCTION 115KV'	29.88399	-0.53018	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00962	-0.5398	13
WERE	'CLAY CENTER JUNCTION 115KV'	29.88399	-0.53018	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00067	-0.53085	13
WERE	'CLAY CENTER JUNCTION 115KV'	29.88399	-0.53018	WERE	'LAWRENCE ENERGY CENTER 230KV'	193.562	0.00937	-0.53955	13
WERE	'CLAY CENTER JUNCTION 115KV'	29.88399	-0.53018	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.01424	-0.54442	13
WERE	'CLAY CENTER JUNCTION 115KV'	29.88399	-0.53018	WERE	'WACO 138KV'	17.946	-0.00054	-0.52964	13
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38545	WERE	'CHANUTE 69KV'	56.296	0.00104	-0.38649	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38545	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0008	-0.38625	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38545	WERE	'CITY OF IOLA 69KV'	24.256	0.00116	-0.38661	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38545	WERE	'CITY OF WELLINGTON 69KV'	24	-0.00016	-0.38529	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38545	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00185	-0.3873	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38545	WERE	'EVANS ENERGY CENTER 138KV'	61.24711	0.00077	-0.38622	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38545	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00962	-0.39507	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38545	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00067	-0.38612	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38545	WERE	'LAWRENCE ENERGY CENTER 230KV'	193.562	0.00937	-0.39482	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38545	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.01424	-0.39969	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38545	WERE	'WACO 138KV'	17.946	-0.00054	-0.38491	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09876	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.01424	-0.113	63
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09876	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00962	-0.10838	65
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09876	WERE	'LAWRENCE ENERGY CENTER 230KV'	193.562	0.00937	-0.10813	65
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09876	WERE	'CHANUTE 69KV'	56.296	0.00104	-0.0998	71
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09876	WERE	'CITY OF IOLA 69KV'	24.256	0.00116	-0.09992	71
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09876	WERE	'EVANS ENERGY CENTER 138KV'	61.24711	0.00077	-0.09953	71
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09876	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00067	-0.09943	71
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09876	WERE	'CITY OF WELLINGTON 69KV'	24	-0.00016	-0.0986	72
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08197	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.01424	-0.09621	74
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08194	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.01424	-0.09618	74
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08197	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00962	-0.09159	77
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08197	WERE	'LAWRENCE ENERGY CENTER 230KV'	193.562	0.00937	-0.09134	77
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08194	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00962	-0.09156	77
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08194	WERE	'LAWRENCE ENERGY CENTER 230KV'	193.562	0.00937	-0.09131	78
WERE	'SMOKYHIL 230 230KV'	72	-0.07639	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.01424	-0.09063	78
WERE	'SMOKYHIL 230 230KV'	72	-0.07639	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00962	-0.08601	82
WERE	'SMOKYHIL 230 230KV'	72	-0.07639	WERE	'LAWRENCE ENERGY CENTER 230KV'	193.562	0.00937	-0.08576	83
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08197	WERE	'CHANUTE 69KV'	56.296	0.00104	-0.08301	85
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08194	WERE	'CHANUTE 69KV'	56.296	0.00104	-0.08298	85
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08197	WERE	'EVANS ENERGY CENTER 138KV'	61.24711	0.00077	-0.08274	86
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08197	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00067	-0.08264	86
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08194	WERE	'EVANS ENERGY CENTER 138KV'	61.24711	0.00077	-0.08271	86
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08194	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00067	-0.08261	86
WERE	'SMOKYHIL 230 230KV'	72	-0.07639	WERE	'CHANUTE 69KV'	56.296	0.00104	-0.07743	91
WERE	'SMOKYHIL 230 230KV'	72	-0.07639	WERE	'EVANS ENERGY CENTER 138KV'	61.24711	0.00077	-0.07716	92
WERE	'SMOKYHIL 230 230KV'	72	-0.07639	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00067	-0.07706	92

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1
Limiting Facility: ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: WR-DOUBLE12
Flowgate: 57321573281WR-DOUBLE124206WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Reservation	Relief Amount	Aggregate Relief Amount
1167662	1.5	2.0
1167664	0.4	2.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'CHANUTE 69KV'	35.344	0.00106	-0.53148	4
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'CITY OF AUGUSTA 69KV'	17.25201	0.00082	-0.53124	4
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00185	-0.53227	4
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'CITY OF ERIE 69KV'	1.998	0.00106	-0.53148	4
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'CITY OF GIRARD 69KV'	1.493	0.00104	-0.53146	4
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'CITY OF IOLA 69KV'	13.978	0.00117	-0.53159	4
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'CITY OF MULVANE 69KV'	3.694	0.00031	-0.53073	4
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'CITY OF WELLINGTON 69KV'	24	-0.00012	-0.5303	4
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00185	-0.53227	4
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00079	-0.53121	4
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00948	-0.5399	4
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00053	-0.53095	4
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'LAWRENCE ENERGY CENTER 230KV'	179.3689	0.00935	-0.53977	4
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'TECUMSEH ENERGY CENTER 115KV'	15.51172	0.01421	-0.54463	4
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.53042	WERE	'WACO 138KV'	17.953	-0.00049	-0.52993	4
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38572	WERE	'CHANUTE 69KV'	35.344	0.00106	-0.38678	5
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38572	WERE	'CITY OF AUGUSTA 69KV'	17.25201	0.00082	-0.38654	5
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38572	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00185	-0.38757	5
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38572	WERE	'CITY OF ERIE 69KV'	1.998	0.00106	-0.38678	5
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38572	WERE	'CITY OF IOLA 69KV'	13.978	0.00117	-0.38689	5
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38572	WERE	'CITY OF MULVANE 69KV'	3.694	0.00031	-0.38603	5
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38572	WERE	'CITY OF WELLINGTON 69KV'	24	-0.00012	-0.3856	5
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38572	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00185	-0.38757	5
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38572	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00079	-0.38651	5
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38572	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00948	-0.3952	5
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38572	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00053	-0.38625	5
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38572	WERE	'LAWRENCE ENERGY CENTER 230KV'	179.3689	0.00935	-0.39507	5
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38572	WERE	'TECUMSEH ENERGY CENTER 115KV'	15.51172	0.01421	-0.39993	5
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.38572	WERE	'WACO 138KV'	17.953	-0.00049	-0.38523	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09868	WERE	'TECUMSEH ENERGY CENTER 115KV'	15.51172	0.01421	-0.11289	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09868	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00948	-0.10816	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09868	WERE	'LAWRENCE ENERGY CENTER 230KV'	179.3689	0.00935	-0.10803	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09868	WERE	'CHANUTE 69KV'	35.344	0.00106	-0.09974	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09868	WERE	'CITY OF AUGUSTA 69KV'	17.25201	0.00082	-0.0995	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09868	WERE	'CITY OF IOLA 69KV'	13.978	0.00117	-0.09985	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09868	WERE	'CITY OF WELLINGTON 69KV'	24	-0.00012	-0.09856	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09868	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00185	-0.10053	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09868	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00079	-0.09947	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09868	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00053	-0.09921	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09868	WERE	'WACO 138KV'	17.953	-0.00049	-0.09819	20
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08156	WERE	'TECUMSEH ENERGY CENTER 115KV'	15.51172	0.01421	-0.09577	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08153	WERE	'TECUMSEH ENERGY CENTER 115KV'	15.51172	0.01421	-0.09574	21
WERE	'SMOKYHIL 230 230KV'	72	-0.07811	WERE	'TECUMSEH ENERGY CENTER 115KV'	15.51172	0.01421	-0.09232	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08156	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00948	-0.09104	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08156	WERE	'LAWRENCE ENERGY CENTER 230KV'	179.3689	0.00935	-0.09091	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08153	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00948	-0.09101	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08153	WERE	'LAWRENCE ENERGY CENTER 230KV'	179.3689	0.00935	-0.09088	22
WERE	'SMOKYHIL 230 230KV'	72	-0.07811	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00948	-0.08759	23
WERE	'SMOKYHIL 230 230KV'	72	-0.07811	WERE	'LAWRENCE ENERGY CENTER 230KV'	179.3689	0.00935	-0.08746	23
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08156	WERE	'CHANUTE 69KV'	35.344	0.00106	-0.08262	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08156	WERE	'CITY OF AUGUSTA 69KV'	17.25201	0.00082	-0.08238	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08156	WERE	'CITY OF IOLA 69KV'	13.978	0.00117	-0.08273	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08156	WERE	'CITY OF WELLINGTON 69KV'	24	-0.00012	-0.08144	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08156	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00185	-0.08341	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08156	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00079	-0.08235	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08156	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00053	-0.08209	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.08156	WERE	'WACO 138KV'	17.953	-0.00049	-0.08107	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08153	WERE	'CHANUTE 69KV'	35.344	0.00106	-0.08259	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08153	WERE	'CITY OF AUGUSTA 69KV'	17.25201	0.00082	-0.08235	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08153	WERE	'CITY OF IOLA 69KV'	13.978	0.00117	-0.0827	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08153	WERE	'CITY OF WELLINGTON 69KV'	24	-0.00012	-0.08141	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08153	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00185	-0.08338	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08153	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00079	-0.08232	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08153	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00053	-0.08206	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08153	WERE	'WACO 138KV'	17.953	-0.00049	-0.08104	24
WERE	'SMOKYHIL 230 230KV'	72	-0.07811	WERE	'CHANUTE 69KV'	35.344	0.00106	-0.07917	25
WERE	'SMOKYHIL 230 230KV'	72	-0.07811	WERE	'CITY OF AUGUSTA 69KV'	17.25201	0.00082	-0.07893	25
WERE	'SMOKYHIL 230 230KV'	72	-0.07811	WERE	'CITY OF IOLA 69KV'	13.978	0.00117	-0.07928	25
WERE	'SMOKYHIL 230 230KV'	72	-0.07811	WERE	'CITY OF WELLINGTON 69KV'	24	-0.00012	-0.07799	25
WERE	'SMOKYHIL 230 230KV'	72	-0.07811	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00185	-0.07996	25
WERE	'SMOKYHIL 230 230KV'	72	-0.07811	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00079	-0.0789	25
WERE	'SMOKYHIL 230 230KV'	72	-0.07811	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00053	-0.07864	25
WERE	'SMOKYHIL 230 230KV'	72	-0.07811	WERE	'WACO 138KV'	17.953	-0.00049	-0.07762	25

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV CKT 1
Limiting Facility: BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV CKT 1
Direction: From->To
Line Outage: EAST MCPHERSON SWITCHING STATION - REFINRY3 115 115KV CKT 1
Flowgate: 57426574171574175742712307SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1162142	1.2	1.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'CHANUTE 69KV'	46.617	-0.00027	-0.52244	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00055	-0.52216	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'CITY OF BURLINGTON 69KV'	4.8	-0.00047	-0.52224	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'CITY OF ERIE 69KV'	23.258	-0.00027	-0.52244	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'CITY OF FREDONIA 69KV'	2.496	-0.00028	-0.52243	2

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'CITY OF GIRARD 69KV'	2.989	-0.00023	-0.52248	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'CITY OF IOLA 69KV'	19.865	-0.00027	-0.52244	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00064	-0.52207	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'CITY OF WELLINGTON 69KV'	36.07001	-0.00055	-0.52216	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'CLAY CENTER JUNCTION 115KV'	11.825	-0.02287	-0.49984	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00047	-0.52224	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'EVANS ENERGY CENTER 138KV'	230.7451	-0.00065	-0.52206	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00076	-0.52195	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00034	-0.52237	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00045	-0.52316	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00076	-0.52195	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'LAWRENCE ENERGY CENTER 230KV'	240.027	-0.00083	-0.52188	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00124	-0.52147	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'WACO 138KV'	17.947	-0.00075	-0.52196	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52271	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	-0.0557	-0.46701	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0557	WERE	'CHANUTE 69KV'	46.617	-0.00027	-0.05543	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0557	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00055	-0.05515	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0557	WERE	'CITY OF ERIE 69KV'	23.258	-0.00027	-0.05543	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0557	WERE	'CITY OF IOLA 69KV'	19.865	-0.00027	-0.05543	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0557	WERE	'CITY OF WELLINGTON 69KV'	36.07001	-0.00055	-0.05515	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0557	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00047	-0.05523	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0557	WERE	'EVANS ENERGY CENTER 138KV'	230.7451	-0.00065	-0.05505	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0557	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00076	-0.05494	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0557	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00034	-0.05536	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0557	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00045	-0.05615	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0557	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00076	-0.05494	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0557	WERE	'LAWRENCE ENERGY CENTER 230KV'	240.027	-0.00083	-0.05487	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0557	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00124	-0.05446	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0557	WERE	'WACO 138KV'	17.947	-0.00075	-0.05495	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.05565	WERE	'CHANUTE 69KV'	46.617	-0.00027	-0.05538	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.05565	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00055	-0.0551	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.05565	WERE	'CITY OF ERIE 69KV'	23.258	-0.00027	-0.05538	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.05565	WERE	'CITY OF IOLA 69KV'	19.865	-0.00027	-0.05538	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.05565	WERE	'CITY OF WELLINGTON 69KV'	36.07001	-0.00055	-0.0551	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.05565	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00047	-0.05518	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.05565	WERE	'EVANS ENERGY CENTER 138KV'	230.7451	-0.00065	-0.055	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.05565	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00076	-0.05489	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.05565	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00034	-0.05531	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.05565	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00045	-0.0561	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.05565	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00076	-0.05489	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.05565	WERE	'LAWRENCE ENERGY CENTER 230KV'	240.027	-0.00083	-0.05482	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.05565	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00124	-0.05441	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.05565	WERE	'WACO 138KV'	17.947	-0.00075	-0.0549	22
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.03436	WERE	'CHANUTE 69KV'	46.617	-0.00027	-0.03409	35
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.03436	WERE	'CITY OF ERIE 69KV'	23.258	-0.00027	-0.03409	35
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.03436	WERE	'CITY OF IOLA 69KV'	19.865	-0.00027	-0.03409	35
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.03436	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00045	-0.03481	35
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.03436	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00055	-0.03381	36
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.03436	WERE	'CITY OF WELLINGTON 69KV'	36.07001	-0.00055	-0.03381	36
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.03436	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00047	-0.03389	36
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.03436	WERE	'EVANS ENERGY CENTER 138KV'	230.7451	-0.00065	-0.03371	36
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.03436	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00076	-0.0336	36
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.03436	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00034	-0.03402	36
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.03436	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00076	-0.0336	36
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.03436	WERE	'LAWRENCE ENERGY CENTER 230KV'	240.027	-0.00083	-0.03353	36
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.03436	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00124	-0.03312	36
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.03436	WERE	'WACO 138KV'	17.947	-0.00075	-0.03361	36

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 528145401515401556004111O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	1.7	1.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	41.6661	0.01475	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.55383	3
SWPA	'BULL SHOALS 161KV'	104.1709	0.00816	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.56042	3
SWPA	'CARTHAGE 69KV'	20	0.01493	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.55365	3
SWPA	'CLARENCE CANNON DAM 69KV'	58	0.00797	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.56061	3
SWPA	'DARDANELLE 161KV'	48.36601	0.00563	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.56295	3
SWPA	'DENISON 138KV'	21.17912	0.05665	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.51193	3
SWPA	'EUFAULA 138KV'	18.09862	0.03404	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.53454	3
SWPA	'EUFAULA 161KV'	9.049311	0.034	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.53458	3
SWPA	'FORT GIBSON 161KV'	15.01811	0.02219	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.54639	3
SWPA	'GREERS FERRY 161KV'	33.11672	0.00247	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.56611	3
SWPA	'INDEPENDENCE 161KV'	13	0.00235	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.56623	3
SWPA	'JONESBORO 161KV'	22.8	0.00199	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.56659	3
SWPA	'KENNETT 69KV'	29	0.00241	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.56617	3
SWPA	'KEYSTONE DAM 161KV'	21.17912	0.0226	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.54598	3
SWPA	'MALDEN 69KV'	15	0.00259	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.56599	3
SWPA	'NORFORK 161KV'	25.60767	0.00633	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.56225	3
SWPA	'OZARK 161KV'	50.80247	0.01231	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.55627	3
SWPA	'PARAGOULD 69KV'	17.5	0.00216	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.56642	3
SWPA	'PIGGOTT 69KV'	7.5	0.00247	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.56611	3
SWPA	'POPLAR BLUFF 69KV'	13	0.00354	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.56504	3
SWPA	'ROBERT S. KERR 161KV'	37.98425	0.02041	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.54817	3
SWPA	'STOCKTON 161KV'	15.67265	0.01264	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.55594	3
SWPA	'TABLE ROCK 161KV'	66.23344	0.01204	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.55654	3
SWPA	'TENKILLER FERRY 161KV'	12.59215	0.02654	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.54204	3
SWPA	'TRUMAN 161KV'	96.19725	0.0108	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.55778	3
SWPA	'WEBBERS FALLS 161KV'	36.90123	0.02654	SWPA	'BROKEN BOW 138KV'	76.88328	0.56858	-0.54204	3
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'COGENTRIX 345KV'	865	0.02155	-0.15331	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'COMANCHE 138KV'	160	0.02489	-0.15665	11

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'COMANCHE 69KV'	63	0.02617	-0.15793	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'NORTHEASTERN STATION 138KV'	113	0.02023	-0.15199	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02023	-0.15199	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01979	-0.15155	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'OEC 345KV'	356	0.02057	-0.15233	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'RIVERSIDE STATION 138KV'	13.00001	0.02304	-0.1548	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.15932	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'WEATHERFORD 34KV'	148	0.0248	-0.15656	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'AEP-CT0613.8 161KV'	320	0.01735	-0.14911	12
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'FITZHUGH 161KV'	5.999998	0.01233	-0.14409	12
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'FLINT CREEK 161KV'	400	0.01755	-0.14931	12
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'L&D13 69KV'	11	0.01535	-0.14711	12
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.1062	16
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'COGENTRIX 345KV'	865	0.02155	-0.10019	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'COMANCHE 138KV'	160	0.02489	-0.10353	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'COMANCHE 69KV'	63	0.02617	-0.10481	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'OEC 345KV'	356	0.02057	-0.09921	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'RIVERSIDE STATION 138KV'	13.00001	0.02304	-0.10168	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'WEATHERFORD 34KV'	148	0.0248	-0.10344	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'EASTMAN 138KV'	155	-0.02763	-0.10413	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'KNOXLEE 138KV'	42	-0.0274	-0.10436	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'LEBROCK 345KV'	365	-0.02717	-0.10459	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'PIRKEY GENERATION 138KV'	450	-0.02735	-0.10441	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'WELSH 345KV'	975.0001	-0.02937	-0.10239	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'WILKES 138KV'	54.91319	-0.03152	-0.10024	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'WILKES 345KV'	67.00001	-0.02827	-0.10349	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'AEP-CT0613.8 161KV'	320	0.01735	-0.09599	18
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'FLINT CREEK 161KV'	400	0.01755	-0.09619	18
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'L&D13 69KV'	11	0.01535	-0.09399	18
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02023	-0.09887	18
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'NORTHEASTERN STATION 138KV'	113	0.02023	-0.09887	18
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01979	-0.09843	18
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'COMANCHE 138KV'	160	0.02489	-0.09063	19
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'COMANCHE 69KV'	63	0.02617	-0.09191	19
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.0933	19
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'WEATHERFORD 34KV'	148	0.0248	-0.09054	19
WFEC	'MORLND 138KV'	320	0.02333	WFEC	'HUGO 138KV'	450	0.11268	-0.08935	19
WFEC	'ANADARKO 69KV'	76	0.02803	WFEC	'HUGO 138KV'	450	0.11268	-0.08465	20
WFEC	'BLUCAN14 138 138KV'	151.2	0.0276	WFEC	'HUGO 138KV'	450	0.11268	-0.08508	20
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'COGENTRIX 345KV'	865	0.02155	-0.08729	20
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02023	-0.08597	20
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'NORTHEASTERN STATION 138KV'	113	0.02023	-0.08597	20
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01979	-0.08553	20
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'OEC 345KV'	356	0.02057	-0.08631	20
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'RIVERSIDE STATION 138KV'	13.00001	0.02304	-0.08878	20
WFEC	'ANADARKO 138KV'	23.3032	0.02817	WFEC	'HUGO 138KV'	450	0.11268	-0.08451	21
WFEC	'ANADARKO 138KV'	90	0.02817	WFEC	'HUGO 138KV'	450	0.11268	-0.08451	21
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'AEP-CT0613.8 161KV'	320	0.01735	-0.08309	21
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'FLINT CREEK 161KV'	400	0.01755	-0.08329	21
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'L&D13 69KV'	11	0.01535	-0.08109	21
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05974	29
AEPW	'WILKES 138KV'	408.0868	-0.03152	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05908	29
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'COMANCHE 138KV'	160	0.02489	-0.05707	30
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'COMANCHE 69KV'	63	0.02617	-0.05835	30
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'WEATHERFORD 34KV'	148	0.0248	-0.05698	30
AEPW	'WELSH 345KV'	68.99991	-0.02937	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05693	30
AEPW	'WILKES 138KV'	408.0868	-0.03152	AEPW	'COMANCHE 69KV'	63	0.02617	-0.05769	30
AEPW	'EASTMAN 138KV'	330.01	-0.02763	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05519	31
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'RIVERSIDE STATION 138KV'	13.00001	0.02304	-0.05522	31
AEPW	'WELSH 345KV'	68.99991	-0.02937	AEPW	'COMANCHE 69KV'	63	0.02617	-0.05554	31
AEPW	'WILKES 138KV'	408.0868	-0.03152	AEPW	'COMANCHE 138KV'	160	0.02489	-0.05641	31
AEPW	'WILKES 138KV'	408.0868	-0.03152	AEPW	'WEATHERFORD 34KV'	148	0.0248	-0.05632	31
AEPW	'WILKES 345KV'	244	-0.02827	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05583	31
AEPW	'EASTMAN 138KV'	330.01	-0.02763	AEPW	'COMANCHE 69KV'	63	0.02617	-0.0538	32
SWPA	'GREERS FERRY 161KV'	33.11672	0.00247	SWPA	'DENISON 138KV'	48.82088	0.05665	-0.05418	32
SWPA	'INDEPENDENCE 161KV'	13	0.00235	SWPA	'DENISON 138KV'	48.82088	0.05665	-0.0543	32
SWPA	'JONESBORO 161KV'	22.8	0.00199	SWPA	'DENISON 138KV'	48.82088	0.05665	-0.05466	32
SWPA	'KENNETT 69KV'	29	0.00241	SWPA	'DENISON 138KV'	48.82088	0.05665	-0.05424	32
AEPW	'KNOXLEE 138KV'	321	-0.0274	AEPW	'COMANCHE 69KV'	63	0.02617	-0.05357	32
AEPW	'KNOXLEE 138KV'	60	-0.0274	AEPW	'COMANCHE 69KV'	63	0.02617	-0.05357	32
AEPW	'KNOXLEE 138KV'	321	-0.0274	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05496	32
AEPW	'KNOXLEE 138KV'	60	-0.0274	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05496	32

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 52814540151540155600411108WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	1.7	1.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	36.58964	0.01476	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.55382	3
SWPA	'BULL SHOALS 161KV'	94.12598	0.00815	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.56043	3
SWPA	'CARTHAGE 69KV'	19	0.01494	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.55364	3
SWPA	'CLARENCE CANNON DAM 69KV'	15.82741	0.00797	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.56061	3
SWPA	'DARDANELLE 161KV'	57.82429	0.00563	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.56295	3
SWPA	'DENISON 138KV'	19.00059	0.05665	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.51193	3
SWPA	'EUFAULA 138KV'	16.2582	0.03404	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.53454	3
SWPA	'EUFAULA 161KV'	8.129101	0.034	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.53458	3
SWPA	'FORT GIBSON 161KV'	13.51581	0.02219	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.54639	3
SWPA	'GREERS FERRY 161KV'	29.97016	0.00246	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.56612	3
SWPA	'INDEPENDENCE 161KV'	13	0.00235	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.56623	3
SWPA	'JONESBORO 161KV'	40.8	0.00198	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.5666	3
SWPA	'KENNETT 69KV'	29	0.00241	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.56617	3

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SWPA	'KEYSTONE DAM 161KV'	19.00059	0.0226	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.54598	3
SWPA	'MALDEN 69KV'	14	0.00259	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.56599	3
SWPA	'NORFORK 161KV'	65.38484	0.00632	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.56226	3
SWPA	'OZARK 161KV'	31.14521	0.01231	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.55627	3
SWPA	'PARAGOULD 69KV'	14.1	0.00216	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.56642	3
SWPA	'PIGGOTT 69KV'	7.5	0.00247	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.56611	3
SWPA	'POPLAR BLUFF 69KV'	13	0.00353	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.56505	3
SWPA	'ROBERT S. KERR 161KV'	34.60107	0.02041	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.54817	3
SWPA	'STOCKTON 161KV'	14.14275	0.01264	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.55594	3
SWPA	'TABLE ROCK 161KV'	59.94032	0.01205	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.55653	3
SWPA	'TENKILLER FERRY 161KV'	26.30787	0.02654	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.54204	3
SWPA	'TRUMAN 161KV'	92.5164	0.0108	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.55778	3
SWPA	'WEBBERS FALLS 161KV'	35.45808	0.02654	SWPA	'BROKEN BOW 138KV'	80.02984	0.56858	-0.54204	3
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'COGENTRIX 345KV'	865	0.02155	-0.15331	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'COMANCHE 138KV'	160	0.0249	-0.15666	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'COMANCHE 69KV'	63	0.02617	-0.15793	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'NORTHEASTERN STATION 138KV'	45	0.02023	-0.15199	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'NORTHEASTERN STATION 138KV'	78	0.02023	-0.15199	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01979	-0.15155	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'OEC 345KV'	306	0.02057	-0.15233	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'RIVERSIDE STATION 138KV'	6.000008	0.02304	-0.1548	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'RVRSIDEG13.8 138KV'	172	0.02304	-0.1548	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02756	-0.15932	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.15932	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'WEATHERFORD 34KV'	148	0.02479	-0.15655	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'AEP-CT0613.8 161KV'	320	0.01737	-0.14913	12
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'FITZHUGH 161KV'	109	0.01233	-0.14409	12
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'FLINT CREEK 161KV'	400	0.01756	-0.14932	12
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'L&D13 69KV'	11	0.01535	-0.14711	12
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'COMANCHE 69KV'	63	0.02617	-0.10481	16
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.1062	16
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02756	-0.1062	16
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'KNOXLEE 138KV'	42	-0.0274	-0.10436	16
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'LEBROCK 345KV'	165	-0.02718	-0.10458	16
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'PIRKEY GENERATION 138KV'	450	-0.02735	-0.10441	16
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'COGENTRIX 345KV'	865	0.02155	-0.10019	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'COMANCHE 138KV'	160	0.0249	-0.10354	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'NORTHEASTERN STATION 138KV'	45	0.02023	-0.09887	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'NORTHEASTERN STATION 138KV'	78	0.02023	-0.09887	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01979	-0.09843	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'OEC 345KV'	306	0.02057	-0.09921	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'RIVERSIDE STATION 138KV'	6.000008	0.02304	-0.10168	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'RVRSIDEG13.8 138KV'	172	0.02304	-0.10168	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'WEATHERFORD 34KV'	148	0.02479	-0.10343	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'EASTMAN 138KV'	155	-0.02763	-0.10413	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'WELSH 345KV'	975.0001	-0.02937	-0.10239	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'WILKES 138KV'	139.5037	-0.03152	-0.10024	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'WILKES 345KV'	104.0854	-0.02827	-0.10349	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'AEP-CT0613.8 161KV'	320	0.01737	-0.09601	18
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'FLINT CREEK 161KV'	400	0.01756	-0.0962	18
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'L&D13 69KV'	11	0.01535	-0.09399	18
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.0933	18
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02756	-0.0933	18
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'FITZHUGH 161KV'	109	0.01233	-0.09097	19
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'COMANCHE 138KV'	160	0.0249	-0.09064	19
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'COMANCHE 69KV'	63	0.02617	-0.09191	19
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'RVRSIDEG13.8 138KV'	172	0.02304	-0.08878	19
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'WEATHERFORD 34KV'	148	0.02479	-0.09053	19
WFEC	'MORLND 138KV'	293	0.02332	WFEC	'HUGO 138KV'	450	0.11268	-0.08936	19
WFEC	'ANADARKO 138KV'	32.07656	0.02816	WFEC	'HUGO 138KV'	450	0.11268	-0.08452	20
WFEC	'ANADARKO 138KV'	90	0.02816	WFEC	'HUGO 138KV'	450	0.11268	-0.08452	20
WFEC	'ANADARKO 69KV'	76	0.02802	WFEC	'HUGO 138KV'	450	0.11268	-0.08466	20
WFEC	'BLUCAN14 138 138KV'	151.2	0.02759	WFEC	'HUGO 138KV'	450	0.11268	-0.08509	20
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'COGENTRIX 345KV'	865	0.02155	-0.08729	20
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'NORTHEASTERN STATION 138KV'	78	0.02023	-0.08597	20
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'NORTHEASTERN STATION 138KV'	45	0.02023	-0.08597	20
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01979	-0.08553	20
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'OEC 345KV'	306	0.02057	-0.08631	20
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'AEP-CT0613.8 161KV'	320	0.01737	-0.08311	21
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'FLINT CREEK 161KV'	400	0.01756	-0.0833	21
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'L&D13 69KV'	11	0.01535	-0.08109	21
AEPW	'FULTON 115KV'	32.99999	-0.06574	AEPW	'FITZHUGH 161KV'	109	0.01233	-0.07807	22
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'COMANCHE 69KV'	63	0.02617	-0.05835	29
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02756	-0.05974	29
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05974	29
AEPW	'WILKES 138KV'	323.4963	-0.03152	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02756	-0.05908	29
AEPW	'WILKES 138KV'	323.4963	-0.03152	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05908	29
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'COMANCHE 138KV'	160	0.0249	-0.05708	30
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'WEATHERFORD 34KV'	148	0.02479	-0.05697	30
AEPW	'WELSH 345KV'	68.99991	-0.02937	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02756	-0.05693	30
AEPW	'WELSH 345KV'	68.99991	-0.02937	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05693	30
AEPW	'WILKES 138KV'	323.4963	-0.03152	AEPW	'COMANCHE 138KV'	160	0.0249	-0.05642	30
AEPW	'WILKES 138KV'	323.4963	-0.03152	AEPW	'COMANCHE 69KV'	63	0.02617	-0.05769	30
AEPW	'EASTMAN 138KV'	330.01	-0.02763	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05519	31
AEPW	'EASTMAN 138KV'	330.01	-0.02763	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02756	-0.05519	31
SWPA	'JONESBORO 161KV'	40.8	0.00198	SWPA	'DENISON 138KV'	50.99941	0.05665	-0.05467	31
AEPW	'KNOXLEE 138KV'	321	-0.0274	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02756	-0.05496	31

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 528145401515582356004131111WP
Date Redispatch Needed: 12/1/11 - 4/1/12
Season Flowgate Identified: 2011 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	1.7	1.7

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	41.06369	0.01341	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.53223	3
SWPA	'BULL SHOALS 161KV'	93.43941	0.00731	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.53833	3
SWPA	'CARTHAGE 69KV'	18	0.01349	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.53215	3
SWPA	'CLARENCE CANNON DAM 69KV'	58	0.00727	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.53837	3
SWPA	'DARDANELLE 161KV'	43.67082	0.00504	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.5406	3
SWPA	'DENISON 138KV'	18.8922	0.03678	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.50886	3
SWPA	'EUFAULA 138KV'	16.25013	0.03019	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.51545	3
SWPA	'EUFAULA 161KV'	8.125067	0.03016	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.51548	3
SWPA	'FORT GIBSON 161KV'	13.4092	0.01965	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.52599	3
SWPA	'GREERS FERRY 161KV'	29.85819	0.00198	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.54366	3
SWPA	'INDEPENDENCE 161KV'	13	0.00189	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.54375	3
SWPA	'JONESBORO 161KV'	22.4	0.00161	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.54403	3
SWPA	'KENNETT 69KV'	28	0.00205	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.54359	3
SWPA	'KEYSTONE DAM 161KV'	18.8922	0.01994	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.5257	3
SWPA	'MALDEN 69KV'	14	0.00223	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.54341	3
SWPA	'NORFORK 161KV'	22.95473	0.00562	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.54002	3
SWPA	'OZARK 161KV'	30.98036	0.01126	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.53438	3
SWPA	'PARAGOULD 69KV'	14.1	0.0018	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.54384	3
SWPA	'PIGGOTT 69KV'	7.5	0.00211	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.54353	3
SWPA	'POPLAR BLUFF 69KV'	13	0.00309	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.54255	3
SWPA	'ROBERT S. KERR 161KV'	34.12756	0.01799	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.52765	3
SWPA	'STOCKTON 161KV'	14.11659	0.0116	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.53404	3
SWPA	'TABLE ROCK 161KV'	59.71638	0.0109	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.53474	3
SWPA	'TENKILLER FERRY 161KV'	11.3751	0.02344	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.5222	3
SWPA	'TRUMAN 161KV'	92.50027	0.00993	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.53571	3
SWPA	'WEBBERS FALLS 161KV'	35.39214	0.02344	SWPA	'BROKEN BOW 138KV'	80.14181	0.54564	-0.5222	3
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'COGENTRIX 345KV'	865	0.01909	-0.09961	17
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'COMANCHE 138KV'	160	0.02088	-0.1014	17
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'COMANCHE 69KV'	63	0.02168	-0.1022	17
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'OEC 345KV'	606	0.01833	-0.09885	17
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'RIVERSIDE STATION 138KV'	88.00001	0.02041	-0.10093	17
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'RVRSIDEG13.8 138KV'	172	0.02041	-0.10093	17
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02269	-0.10321	17
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02269	-0.10321	17
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'WEATHERFORD 34KV'	148	0.02081	-0.10133	17
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'FLINT CREEK 161KV'	410	0.01581	-0.09633	18
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'L&D13 69KV'	11	0.01347	-0.09399	18
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'NORTHEASTERN STATION 138KV'	156	0.01797	-0.09849	18
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01797	-0.09849	18
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'NORTHEASTERN STATION 345KV'	600	0.0177	-0.09822	18
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'FITZHUGH 161KV'	126	0.01126	-0.09178	19
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'LEBROCK 345KV'	215	-0.02374	-0.05678	30
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'LIEBERMAN 138KV'	22.40393	-0.02285	-0.05767	30
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02395	-0.05657	30
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'EASTMAN 138KV'	135	-0.02423	-0.05629	31
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'KNOXLEE 138KV'	103	-0.02403	-0.05649	31
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'WELSH 345KV'	985	-0.02529	-0.05523	31
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'WILKES 345KV'	191	-0.02482	-0.0557	31
AEPW	'2006-10 24.0 115KV'	620	-0.08052	AEPW	'WILKES 138KV'	131.6865	-0.02826	-0.05226	33
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.02889	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02269	-0.05158	33
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.02889	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02269	-0.05158	33
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.02889	AEPW	'COMANCHE 69KV'	63	0.02168	-0.05057	34
AEPW	'WILKES 138KV'	331.3135	-0.02826	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02269	-0.05095	34
AEPW	'WILKES 138KV'	331.3135	-0.02826	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02269	-0.05095	34
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.02889	AEPW	'COMANCHE 138KV'	160	0.02088	-0.04977	35
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.02889	AEPW	'RIVERSIDE STATION 138KV'	88.00001	0.02041	-0.0493	35
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.02889	AEPW	'RVRSIDEG13.8 138KV'	172	0.02041	-0.0493	35
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.02889	AEPW	'WEATHERFORD 34KV'	148	0.02081	-0.0497	35
AEPW	'WILKES 138KV'	331.3135	-0.02826	AEPW	'COMANCHE 138KV'	160	0.02088	-0.04914	35
AEPW	'WILKES 138KV'	331.3135	-0.02826	AEPW	'COMANCHE 69KV'	63	0.02168	-0.04994	35
AEPW	'WILKES 138KV'	331.3135	-0.02826	AEPW	'RIVERSIDE STATION 138KV'	88.00001	0.02041	-0.04867	35
AEPW	'WILKES 138KV'	331.3135	-0.02826	AEPW	'RVRSIDEG13.8 138KV'	172	0.02041	-0.04867	35
AEPW	'WILKES 138KV'	331.3135	-0.02826	AEPW	'WEATHERFORD 34KV'	148	0.02081	-0.04907	35
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.02889	AEPW	'COGENTRIX 345KV'	865	0.01909	-0.04798	36
AEPW	'WELSH 345KV'	59	-0.02529	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02269	-0.04798	36
AEPW	'WELSH 345KV'	59	-0.02529	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02269	-0.04798	36
AEPW	'WILKES 138KV'	331.3135	-0.02826	AEPW	'COGENTRIX 345KV'	865	0.01909	-0.04735	36
AEPW	'WILKES 345KV'	120	-0.02482	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02269	-0.04751	36
AEPW	'WILKES 345KV'	120	-0.02482	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02269	-0.04751	36
AEPW	'EASTMAN 138KV'	350.01	-0.02423	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02269	-0.04692	37
AEPW	'EASTMAN 138KV'	350.01	-0.02423	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02269	-0.04692	37
AEPW	'KNOXLEE 138KV'	260	-0.02403	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02269	-0.04672	37
AEPW	'KNOXLEE 138KV'	260	-0.02403	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02269	-0.04672	37
AEPW	'KNOXLEE 138KV'	60	-0.02403	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02269	-0.04672	37
AEPW	'KNOXLEE 138KV'	60	-0.02403	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02269	-0.04672	37
AEPW	'LEBROCK 345KV'	482	-0.02374	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02269	-0.04643	37
AEPW	'LEBROCK 345KV'	482	-0.02374	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02269	-0.04643	37
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.02889	AEPW	'NORTHEASTERN STATION 138KV'	156	0.01797	-0.04686	37
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.02889	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01797	-0.04686	37
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.02889	AEPW	'NORTHEASTERN STATION 345KV'	600	0.0177	-0.04659	37
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.02889	AEPW	'OEC 345KV'	606	0.01833	-0.04722	37
AEPW	'PIRKEY GENERATION 138KV'	75	-0.02395	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02269	-0.04664	37
AEPW	'PIRKEY GENERATION 138KV'	75	-0.02395	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02269	-0.04664	37
AEPW	'WELSH 345KV'	59	-0.02529	AEPW	'COMANCHE 138KV'	160	0.02088	-0.04617	37
AEPW	'WELSH 345KV'	59	-0.02529	AEPW	'COMANCHE 69KV'	63	0.02168	-0.04697	37
AEPW	'WELSH 345KV'	59	-0.02529	AEPW	'WEATHERFORD 34KV'	148	0.02081	-0.0461	37
AEPW	'WILKES 138KV'	331.3135	-0.02826	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01797	-0.04623	37
AEPW	'WILKES 138KV'	331.3135	-0.02826	AEPW	'NORTHEASTERN STATION 138KV'	156	0.01797	-0.04623	37
AEPW	'WILKES 138KV'	331.3135	-0.02826	AEPW	'OEC 345KV'	606	0.01833	-0.04659	37
AEPW	'WILKES 345KV'	120	-0.02482	AEPW	'COMANCHE 69KV'	63	0.02168	-0.0465	37
AEPW	'ARSENAL HILL 69KV'	99	-0.02216	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02269	-0.04485	38
AEPW	'ARSENAL HILL 69KV'	99	-0.02216	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02269	-0.04485	38
AEPW	'EASTMAN 138KV'	350.01	-0.02423	AEPW	'COMANCHE 138KV'	160	0.02088	-0.04511	38
AEPW	'EASTMAN 138KV'	350.01	-0.02423	AEPW	'COMANCHE 69KV'	63	0.02168	-0.04591	38
AEPW	'EASTMAN 138KV'	350.01	-0.02423	AEPW	'WEATHERFORD 34KV'	148	0.02081	-0.04504	38
AEPW	'KNOXLEE 138KV'	260	-0.02403	AEPW	'COMANCHE 138KV'	160	0.02088	-0.04491	38
AEPW	'KNOXLEE 138KV'	60	-0.02403	AEPW	'COMANCHE 138KV'	160	0.02088	-0.04491	38
AEPW	'KNOXLEE 138KV'	260	-0.02403	AEPW	'COMANCHE 69KV'	63	0.02168	-0.04571	38
AEPW	'KNOXLEE 138KV'	60	-0.02403	AEPW	'COMANCHE 69KV'	63	0.02168	-0.04571	38
AEPW	'KNOXLEE 138KV'	260	-0.02403	AEPW	'WEATHERFORD 34KV'	148	0.02081	-0.04484	38

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 528145401515582356004141O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	1.7	1.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	39.93124	0.01475	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.55383	3
SWPA	'BULL SHOALS 161KV'	98.92331	0.00816	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.56042	3
SWPA	'CARTHAGE 69KV'	20	0.01493	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.55365	3
SWPA	'CLARENCE CANNON DAM 69KV'	58	0.00797	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.56061	3
SWPA	'DARDANELLE 161KV'	45.91378	0.00563	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.56295	3
SWPA	'DENISON 138KV'	20.1162	0.05665	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.51193	3
SWPA	'EUFAULA 138KV'	17.18636	0.03404	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.53454	3
SWPA	'EUFAULA 161KV'	8.593178	0.034	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.53458	3
SWPA	'FORT GIBSON 161KV'	14.2565	0.02219	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.54639	3
SWPA	'GREERS FERRY 161KV'	31.44284	0.00247	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.56611	3
SWPA	'INDEPENDENCE 161KV'	13	0.00235	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.56623	3
SWPA	'JONESBORO 161KV'	2.799999	0.00199	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.56659	3
SWPA	'KENNETT 69KV'	29	0.00241	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.56617	3
SWPA	'KEYSTONE DAM 161KV'	20.1162	0.0226	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.54598	3
SWPA	'MALDEN 69KV'	15	0.00259	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.56599	3
SWPA	'NORFORK 161KV'	24.3146	0.00633	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.56225	3
SWPA	'OZARK 161KV'	49.40477	0.01231	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.55627	3
SWPA	'PARAGOULD 69KV'	17.5	0.00216	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.56642	3
SWPA	'PIGGOTT 69KV'	7.5	0.00247	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.56611	3
SWPA	'POPLAR BLUFF 69KV'	13	0.00354	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.56504	3
SWPA	'ROBERT S. KERR 161KV'	36.05928	0.02041	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.54817	3
SWPA	'STOCKTON 161KV'	14.88174	0.01264	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.55594	3
SWPA	'TABLE ROCK 161KV'	62.88568	0.01204	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.55654	3
SWPA	'TENKILLER FERRY 161KV'	11.95189	0.02654	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.54204	3
SWPA	'TRUMAN 161KV'	94.37271	0.0108	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.55778	3
SWPA	'WEBBERS FALLS 161KV'	36.20238	0.02654	SWPA	'BROKEN BOW 138KV'	78.55716	0.56858	-0.54204	3
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'COGENTRIX 345KV'	665	0.02155	-0.15331	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'COMANCHE 138KV'	160	0.02489	-0.15665	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'COMANCHE 69KV'	63	0.02617	-0.15793	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'NORTHEASTERN STATION 138KV'	138	0.02023	-0.15199	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02023	-0.15199	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01979	-0.15155	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'OEC 345KV'	356	0.02057	-0.15233	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'RIVERSIDE STATION 138KV'	88.00001	0.02304	-0.1548	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.15932	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'WEATHERFORD 34KV'	148	0.0248	-0.15656	11
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'AEP-CT0613.8 161KV'	320	0.01735	-0.14911	12
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'FITZHUGH 161KV'	5.999998	0.01233	-0.14409	12
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'FLINT CREEK 161KV'	400	0.01755	-0.14931	12
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'L&D13 69KV'	11	0.01535	-0.14711	12
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.1062	16
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'COGENTRIX 345KV'	665	0.02155	-0.10019	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'COMANCHE 138KV'	160	0.02489	-0.10353	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'COMANCHE 69KV'	63	0.02617	-0.10481	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'OEC 345KV'	356	0.02057	-0.09921	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'RIVERSIDE STATION 138KV'	88.00001	0.02304	-0.10168	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'WEATHERFORD 34KV'	148	0.0248	-0.10344	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'EASTMAN 138KV'	155	-0.02763	-0.10413	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'KNOXLEE 138KV'	50.60189	-0.0274	-0.10436	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'LEBROCK 345KV'	365	-0.02717	-0.10459	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'PIRKEY GENERATION 138KV'	450	-0.02735	-0.10441	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'WELSH 345KV'	975.0001	-0.02937	-0.10239	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'WILKES 138KV'	77.4066	-0.03152	-0.10024	17
AEPW	'NARROWS 69KV'	30	-0.13176	AEPW	'WILKES 345KV'	129	-0.02827	-0.10349	17
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'AEP-CT0613.8 161KV'	320	0.01735	-0.09599	18
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'FLINT CREEK 161KV'	400	0.01755	-0.09619	18
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'L&D13 69KV'	11	0.01535	-0.09399	18
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02023	-0.09887	18
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'NORTHEASTERN STATION 138KV'	138	0.02023	-0.09887	18
AEPW	'2006-10 24.0 115KV'	620	-0.07864	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01979	-0.09843	18
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'COMANCHE 138KV'	160	0.02489	-0.09063	19
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'COMANCHE 69KV'	63	0.02617	-0.09191	19
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.0933	19
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'WEATHERFORD 34KV'	148	0.0248	-0.09054	19
WFEC	'MORLND 138KV'	133.0715	0.02333	WFEC	'HUGO 138KV'	450	0.11268	-0.08935	19
WFEC	'ANADARKO 69KV'	76	0.02803	WFEC	'HUGO 138KV'	450	0.11268	-0.08465	20
WFEC	'BLUCAN14 138 138KV'	151.2	0.0276	WFEC	'HUGO 138KV'	450	0.11268	-0.08508	20
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'COGENTRIX 345KV'	665	0.02155	-0.08729	20
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'NORTHEASTERN STATION 138KV'	138	0.02023	-0.08597	20
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02023	-0.08597	20
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01979	-0.08553	20
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'OEC 345KV'	356	0.02057	-0.08631	20
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'RIVERSIDE STATION 138KV'	88.00001	0.02304	-0.08878	20
WFEC	'ANADARKO 138KV'	90	0.02817	WFEC	'HUGO 138KV'	450	0.11268	-0.08451	21
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'AEP-CT0613.8 161KV'	320	0.01735	-0.08309	21
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'FLINT CREEK 161KV'	400	0.01755	-0.08329	21
AEPW	'FULTON 115KV'	153	-0.06574	AEPW	'L&D13 69KV'	11	0.01535	-0.08109	21
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05974	29
AEPW	'WILKES 138KV'	385.5934	-0.03152	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05908	29
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'COMANCHE 138KV'	160	0.02489	-0.05707	30
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'COMANCHE 69KV'	63	0.02617	-0.05835	30
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'WEATHERFORD 34KV'	148	0.0248	-0.05698	30
AEPW	'WELSH 345KV'	68.99991	-0.02937	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05693	30
AEPW	'WILKES 138KV'	385.5934	-0.03152	AEPW	'COMANCHE 69KV'	63	0.02617	-0.05769	30
AEPW	'EASTMAN 138KV'	330.01	-0.02763	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05519	31

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03218	AEPW	'RIVERSIDE STATION 138KV'	88.00001	0.02304	-0.05522	31
AEPW	'WELSH 345KV'	68.99991	-0.02937	AEPW	'COMANCHE 69KV'	63	0.02617	-0.05554	31
AEPW	'WILKES 138KV'	385.5934	-0.03152	AEPW	'COMANCHE 138KV'	160	0.02489	-0.05641	31
AEPW	'WILKES 138KV'	385.5934	-0.03152	AEPW	'WEATHERFORD 34KV'	148	0.0248	-0.05632	31
AEPW	'WILKES 345KV'	182	-0.02827	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05583	31
AEPW	'EASTMAN 138KV'	330.01	-0.02763	AEPW	'COMANCHE 69KV'	63	0.02617	-0.0538	32
SWPA	'GREERS FERRY 161KV'	31.44284	0.00247	SWPA	'DENISON 138KV'	49.8838	0.05665	-0.05418	32
SWPA	'INDEPENDENCE 161KV'	13	0.00235	SWPA	'DENISON 138KV'	49.8838	0.05665	-0.0543	32
SWPA	'KENNETT 69KV'	29	0.00241	SWPA	'DENISON 138KV'	49.8838	0.05665	-0.05424	32
AEPW	'KNOXLEE 138KV'	312.3981	-0.0274	AEPW	'COMANCHE 69KV'	63	0.02617	-0.05357	32
AEPW	'KNOXLEE 138KV'	60	-0.0274	AEPW	'COMANCHE 69KV'	63	0.02617	-0.05357	32
AEPW	'KNOXLEE 138KV'	312.3981	-0.0274	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05496	32
AEPW	'KNOXLEE 138KV'	60	-0.0274	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05496	32
AEPW	'LEBROCK 345KV'	332	-0.02717	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05473	32
AEPW	'LIEBERMAN 138KV'	224	-0.02583	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02756	-0.05339	32

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 52814540151558235600414108SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	1.6	1.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	21.18129	0.01465	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.55381	3
SWPA	'BULL SHOALS 161KV'	54.15698	0.00805	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.56041	3
SWPA	'CLARENCE CANNON DAM 69KV'	9.096851	0.00793	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.56053	3
SWPA	'DARDANELLE 161KV'	56.85809	0.00547	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.56299	3
SWPA	'DENISON 138KV'	10.99945	0.05655	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.51191	3
SWPA	'EUFAULA 138KV'	9.512951	0.03392	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.53454	3
SWPA	'EUFAULA 161KV'	4.756475	0.03388	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.53458	3
SWPA	'FORT GIBSON 161KV'	8.026443	0.02207	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.54639	3
SWPA	'GREERS FERRY 161KV'	17.34141	0.00231	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.56615	3
SWPA	'INDEPENDENCE 161KV'	13	0.00221	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.56625	3
SWPA	'KENNETT 69KV'	21.5	0.00233	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.56613	3
SWPA	'KEYSTONE DAM 161KV'	10.99945	0.0225	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.54596	3
SWPA	'MALDEN 69KV'	10	0.00251	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.56595	3
SWPA	'NORFORK 161KV'	65.20116	0.00622	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.56224	3
SWPA	'OZARK 161KV'	17.98566	0.01216	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.5563	3
SWPA	'PARAGOULD 69KV'	12	0.00207	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.56639	3
SWPA	'PIGGOTT 69KV'	7.5	0.00239	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.56607	3
SWPA	'POPLAR BLUFF 69KV'	13	0.00347	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.56499	3
SWPA	'ROBERT S. KERR 161KV'	19.88223	0.02027	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.54819	3
SWPA	'STOCKTON 161KV'	8.145561	0.01256	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.5559	3
SWPA	'TABLE ROCK 161KV'	34.68282	0.01195	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.55651	3
SWPA	'TENKILLER FERRY 161KV'	26.16092	0.02641	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.54205	3
SWPA	'TRUMAN 161KV'	79.02591	0.01074	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.55772	3
SWPA	'WEBBERS FALLS 161KV'	30.19426	0.02641	SWPA	'BROKEN BOW 138KV'	92.65859	0.56846	-0.54205	3
AEPW	'NARROWS 69KV'	3	-0.13189	AEPW	'WELEETKA 138KV'	84	0.05347	-0.18536	9
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'WELEETKA 138KV'	84	0.05347	-0.13224	12
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'WELEETKA 138KV'	84	0.05347	-0.11935	13
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'COMANCHE 138KV'	160	0.0248	-0.10357	15
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'COMANCHE 69KV'	63	0.02607	-0.10484	15
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02746	-0.10623	15
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.02746	-0.10623	15
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'WEATHERFORD 34KV'	148	0.02469	-0.10346	15
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'COGENTRIX 345KV'	665	0.02145	-0.10022	16
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'FLINT CREEK 161KV'	428	0.01745	-0.09622	16
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02013	-0.0989	16
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'NORTHEASTERN STATION 138KV'	405	0.02013	-0.0989	16
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'NORTHEASTERN STATION 345KV'	645	0.0197	-0.09847	16
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'OEC 345KV'	306	0.02046	-0.09923	16
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'RIVERSIDE STATION 138KV'	525	0.02294	-0.10171	16
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'RVRSIDEG13.8 138KV'	172	0.02294	-0.10171	16
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'TULSA POWER STATION 138KV'	77	0.02233	-0.1011	16
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'TULSA POWER STATION 138KV'	75	0.02233	-0.1011	16
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'AEP-CT0613.8 161KV'	320	0.01722	-0.09599	17
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'FITZHUGH 161KV'	75.99999	0.01218	-0.09095	17
AEPW	'2006-10 24.0 115KV'	620	-0.07877	AEPW	'L&D13 69KV'	11	0.01521	-0.09398	17
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'COMANCHE 138KV'	160	0.0248	-0.09068	17
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'COMANCHE 69KV'	63	0.02607	-0.09195	17
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.02746	-0.09334	17
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02746	-0.09334	17
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'WEATHERFORD 34KV'	148	0.02469	-0.09057	17
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'COGENTRIX 345KV'	665	0.02145	-0.08733	18
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'NORTHEASTERN STATION 138KV'	405	0.02013	-0.08601	18
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02013	-0.08601	18
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'OEC 345KV'	306	0.02046	-0.08634	18
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'RIVERSIDE STATION 138KV'	525	0.02294	-0.08882	18
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'RVRSIDEG13.8 138KV'	172	0.02294	-0.08882	18
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'TULSA POWER STATION 138KV'	75	0.02233	-0.08821	18
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'TULSA POWER STATION 138KV'	77	0.02233	-0.08821	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.0323	AEPW	'WELEETKA 138KV'	84	0.05347	-0.08577	18
WFEC	'MORLND 138KV'	7.435551	0.02322	WFEC	'HUGO 138KV'	450	0.11256	-0.08934	18
WFEC	'ANADARKO 138KV'	90	0.02806	WFEC	'HUGO 138KV'	450	0.11256	-0.0845	19
WFEC	'ANADARKO 69KV'	76	0.02792	WFEC	'HUGO 138KV'	450	0.11256	-0.08464	19
WFEC	'BLUCAN14 138 138KV'	151.2	0.02749	WFEC	'HUGO 138KV'	450	0.11256	-0.08507	19
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'AEP-CT0613.8 161KV'	320	0.01722	-0.0831	19
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'FLINT CREEK 161KV'	428	0.01745	-0.08333	19
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'NORTHEASTERN STATION 345KV'	645	0.0197	-0.08558	19
AEPW	'WILKES 138KV'	182.3625	-0.03164	AEPW	'WELEETKA 138KV'	84	0.05347	-0.08511	19
AEPW	'AH-CC_ST18.0 138KV'	550	-0.0251	AEPW	'WELEETKA 138KV'	84	0.05347	-0.07857	20
AEPW	'ARSENAL HILL 69KV'	99	-0.0252	AEPW	'WELEETKA 138KV'	84	0.05347	-0.07867	20
AEPW	'EASTMAN 138KV'	330.01	-0.02775	AEPW	'WELEETKA 138KV'	84	0.05347	-0.08122	20

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'FITZHUGH 161KV'	75.99999	0.01218	-0.07806	20
AEPW	'FULTON 115KV'	32.99999	-0.06588	AEPW	'L&D13 69KV'	11	0.01521	-0.08109	20
AEPW	'KNOXLEE 138KV'	199	-0.02752	AEPW	'WELEETKA 138KV'	84	0.05347	-0.08099	20
AEPW	'KNOXLEE 138KV'	60	-0.02752	AEPW	'WELEETKA 138KV'	84	0.05347	-0.08099	20
AEPW	'LEBROCK 345KV'	382	-0.02729	AEPW	'WELEETKA 138KV'	84	0.05347	-0.08076	20
AEPW	'LIEBERMAN 138KV'	154	-0.02596	AEPW	'WELEETKA 138KV'	84	0.05347	-0.07943	20
AEPW	'PIRKEY GENERATION 138KV'	25	-0.02747	AEPW	'WELEETKA 138KV'	84	0.05347	-0.08094	20
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.02602	AEPW	'WELEETKA 138KV'	84	0.05347	-0.07949	20
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.0323	AEPW	'COMANCHE 69KV'	63	0.02607	-0.05837	27
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.0323	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.02746	-0.05976	27
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.0323	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02746	-0.05976	27
AEPW	'WILKES 138KV'	182.3625	-0.03164	AEPW	'COMANCHE 69KV'	63	0.02607	-0.05771	27
AEPW	'WILKES 138KV'	182.3625	-0.03164	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02746	-0.0591	27
AEPW	'WILKES 138KV'	182.3625	-0.03164	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.02746	-0.0591	27
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.0323	AEPW	'COMANCHE 138KV'	160	0.0248	-0.0571	28
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.0323	AEPW	'WEATHERFORD 34KV'	148	0.02469	-0.05699	28
AEPW	'WILKES 138KV'	182.3625	-0.03164	AEPW	'COMANCHE 138KV'	160	0.0248	-0.05644	28
AEPW	'WILKES 138KV'	182.3625	-0.03164	AEPW	'WEATHERFORD 34KV'	148	0.02469	-0.05633	28
AEPW	'EASTMAN 138KV'	330.01	-0.02775	AEPW	'COMANCHE 69KV'	63	0.02607	-0.05382	29
AEPW	'EASTMAN 138KV'	330.01	-0.02775	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.02746	-0.05521	29
AEPW	'EASTMAN 138KV'	330.01	-0.02775	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02746	-0.05521	29
SWPA	'GREERS FERRY 161KV'	17.34141	0.00231	SWPA	'DENISON 138KV'	59.00055	0.05655	-0.05424	29
SWPA	'INDEPENDENCE 161KV'	13	0.00221	SWPA	'DENISON 138KV'	59.00055	0.05655	-0.05434	29
SWPA	'KENNETT 69KV'	21.5	0.00233	SWPA	'DENISON 138KV'	59.00055	0.05655	-0.05422	29
AEPW	'KNOXLEE 138KV'	199	-0.02752	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02746	-0.05498	29
AEPW	'KNOXLEE 138KV'	199	-0.02752	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.02746	-0.05498	29
AEPW	'KNOXLEE 138KV'	60	-0.02752	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.02746	-0.05498	29
AEPW	'KNOXLEE 138KV'	60	-0.02752	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02746	-0.05498	29
AEPW	'LEBROCK 345KV'	382	-0.02729	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.02746	-0.05475	29
AEPW	'LEBROCK 345KV'	382	-0.02729	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.02746	-0.05475	29

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: CLAREMORE (CLRAUTO3) 161/69/13.8KV TRANSFORMER CKT 3
Limiting Facility: CLAREMORE (CLRAUTO1) 161/69/13.8KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: CLAREMORE (CLRAUTO2) 161/69/13.8KV TRANSFORMER CKT 2
Flowgate: CLARAUTO12521CLARAUTO25223307SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161666	0.5	1.1
1161667	0.5	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
GRDA	'PENSACOLA 69KV'	63	-0.10109	GRDA	'BOOMER 69KV'	24	0.00344	-0.10453	10
GRDA	'PENSACOLA 69KV'	63	-0.10109	GRDA	'GRDA1 161KV'	56.57739	0.0008	-0.10189	11
GRDA	'PENSACOLA 69KV'	63	-0.10109	GRDA	'GRDA1 345KV'	100	0.001	-0.10209	11
GRDA	'PENSACOLA 69KV'	63	-0.10109	GRDA	'KERR 161KV'	13.5	-0.00195	-0.09914	11
GRDA	'PENSACOLA 69KV'	63	-0.10109	GRDA	'SALINA 161KV'	22.75042	-0.00195	-0.09914	11
GRDA	'PENSACOLA 69KV'	63	-0.10109	GRDA	'KERR 115KV'	13.5	-0.00752	-0.09357	12
GRDA	'PENSACOLA 69KV'	63	-0.10109	GRDA	'PENSACOLA 161KV'	11	-0.02702	-0.07407	15
GRDA	'PENSACOLA 161KV'	42	-0.02702	GRDA	'BOOMER 69KV'	24	0.00344	-0.03046	35

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: COOK - ST JOE 161KV CKT 1
Limiting Facility: COOK - ST JOE 161KV CKT 1
Direction: To->From
Line Outage: ST JOE - WOODBINE 161KV CKT 1
Flowgate: 592575925315925359258143O7FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1152228	18.0	18.9
1162649	0.9	18.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'LAKE ROAD 161KV'	136	-0.69373	MIPU	'ARIES 161KV'	585	-0.02055	-0.67318	28
MIPU	'LAKE ROAD 34KV'	97	-0.69373	MIPU	'ARIES 161KV'	585	-0.02055	-0.67318	28
KACP	'HAWTHORN 161KV'	423	-0.03066	KACP	'IATAN 345KV'	396	0.01588	-0.04654	407
KACP	'MONTROSE 161KV'	463.4524	-0.01928	KACP	'IATAN 345KV'	396	0.01588	-0.03516	539
KACP	'BULL CREEK 161KV'	308	-0.01785	KACP	'IATAN 345KV'	396	0.01588	-0.03373	561

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: ELK CITY - MOREWOOD SW 138KV CKT 1 AEPW
Limiting Facility: ELK CITY - MOREWOOD SW 138KV CKT 1
Direction: To->From
Line Outage: GEN:51441 1
Flowgate: 54121560011GEN5144114408SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	3.4	15.3
1162617	0.6	15.3
1162675	3.3	15.3
1162677	4.9	15.3
1162680	3.2	15.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WFEC	'BLUCAN14 138 138KV'	151.2	-0.03552	WFEC	'MORLND 138KV'	298.5088	0.23628	-0.2718	56
WFEC	'BLUCAN14 138 138KV'	151.2	-0.03552	WFEC	'SLEEPING BEAR 138KV'	96	0.23258	-0.2681	57
WFEC	'ANADARKO 138KV'	90	-0.02942	WFEC	'MORLND 138KV'	298.5088	0.23628	-0.2657	58
WFEC	'ANADARKO 138KV'	90	-0.02942	WFEC	'SLEEPING BEAR 138KV'	96	0.23258	-0.262	58
WFEC	'ANADARKO 69KV'	76	-0.0241	WFEC	'MORLND 138KV'	298.5088	0.23628	-0.26038	59
WFEC	'ANADARKO 69KV'	76	-0.0241	WFEC	'SLEEPING BEAR 138KV'	96	0.23258	-0.25668	60
OKGE	'AES 161KV'	580	0.00119	OKGE	'FPLWND2 34KV'	102	0.23617	-0.23498	65
OKGE	'MUSKOGEE 161KV'	113.7305	0.00206	OKGE	'FPLWND2 34KV'	102	0.23617	-0.23411	65
OKGE	'MUSKOGEE 161KV'	31	0.00206	OKGE	'FPLWND2 34KV'	102	0.23617	-0.23411	65
OKGE	'TINKER 5G 138KV'	62	0.00249	OKGE	'FPLWND2 34KV'	102	0.23617	-0.23368	65
OKGE	'MCCLAIN 138KV'	42	0.00295	OKGE	'FPLWND2 34KV'	102	0.23617	-0.23322	66
OKGE	'ONE OAK 345KV'	261	0.00616	OKGE	'FPLWND2 34KV'	102	0.23617	-0.23001	66
OKGE	'REDBUD 345KV'	550	0.00453	OKGE	'FPLWND2 34KV'	102	0.23617	-0.23164	66
OKGE	'REDBUD 345KV'	300	0.00453	OKGE	'FPLWND2 34KV'	102	0.23617	-0.23164	66
OKGE	'AES 161KV'	580	0.00119	OKGE	'SLEEPING BEAR 34KV'	120	0.22817	-0.22698	67
OKGE	'MCCLAIN 138KV'	42	0.00295	OKGE	'SLEEPING BEAR 34KV'	120	0.22817	-0.22522	68
OKGE	'MUSKOGEE 161KV'	113.7305	0.00206	OKGE	'SLEEPING BEAR 34KV'	120	0.22817	-0.22611	68
OKGE	'MUSKOGEE 161KV'	31	0.00206	OKGE	'SLEEPING BEAR 34KV'	120	0.22817	-0.22611	68
OKGE	'REDBUD 345KV'	550	0.00453	OKGE	'SLEEPING BEAR 34KV'	120	0.22817	-0.22364	68
OKGE	'REDBUD 345KV'	300	0.00453	OKGE	'SLEEPING BEAR 34KV'	120	0.22817	-0.22364	68
OKGE	'SOONER 7 345 345KV'	1050	0.01294	OKGE	'FPLWND2 34KV'	102	0.23617	-0.22323	68
OKGE	'TINKER 5G 138KV'	62	0.00249	OKGE	'SLEEPING BEAR 34KV'	120	0.22817	-0.22568	68
OKGE	'CONTINENTAL EMPIRE 138KV'	32	0.01621	OKGE	'FPLWND2 34KV'	102	0.23617	-0.21996	69
OKGE	'ONE OAK 345KV'	261	0.00616	OKGE	'SLEEPING BEAR 34KV'	120	0.22817	-0.22201	69
OKGE	'SOONER 138KV'	24.99997	0.01621	OKGE	'FPLWND2 34KV'	102	0.23617	-0.21996	69
OKGE	'SOONER 7 345 345KV'	1050	0.01294	OKGE	'SLEEPING BEAR 34KV'	120	0.22817	-0.21523	71
OKGE	'CONTINENTAL EMPIRE 138KV'	32	0.01621	OKGE	'SLEEPING BEAR 34KV'	120	0.22817	-0.21196	72
OKGE	'SOONER 138KV'	24.99997	0.01621	OKGE	'SLEEPING BEAR 34KV'	120	0.22817	-0.21196	72
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.05445	OKGE	'FPLWND2 34KV'	102	0.23617	-0.18172	84
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.05445	OKGE	'SLEEPING BEAR 34KV'	120	0.22817	-0.17372	88
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.03387	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00348	-0.03735	409
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.03387	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00348	-0.03735	409
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.03387	AEPW	'COGENTRIX 345KV'	304	0.00286	-0.03673	416
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.03387	AEPW	'COGENTRIX 345KV'	304	0.00286	-0.03673	416
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.03387	AEPW	'NORTHEASTERN STATION 345KV'	645	0.0029	-0.03677	416
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.03387	AEPW	'NORTHEASTERN STATION 345KV'	645	0.0029	-0.03677	416
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.03387	AEPW	'RIVERSIDE STATION 138KV'	446.5	0.00283	-0.0367	416
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.03387	AEPW	'RIVERSIDE STATION 138KV'	446.5	0.00283	-0.0367	416
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.03387	AEPW	'OEC 345KV'	319	0.00271	-0.03658	418
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.03387	AEPW	'OEC 345KV'	319	0.00271	-0.03658	418
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.03387	AEPW	'FLINT CREEK 161KV'	428	0.00232	-0.03619	422
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.03387	AEPW	'FLINT CREEK 161KV'	428	0.00232	-0.03619	422
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.03387	AEPW	'AEP-CT0613.8 161KV'	320	0.00225	-0.03612	423
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.03387	AEPW	'AEP-CT0613.8 161KV'	320	0.00225	-0.03612	423
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.03387	AEPW	'EASTMAN 138KV'	355	-0.00051	-0.03336	458
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.03387	AEPW	'EASTMAN 138KV'	355	-0.00051	-0.03336	458
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.03387	AEPW	'LEBROCK 345KV'	465	-0.00051	-0.03336	458
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.03387	AEPW	'LEBROCK 345KV'	465	-0.00051	-0.03336	458
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.03387	AEPW	'PIRKEY GENERATION 138KV'	490	-0.0005	-0.03337	458
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.03387	AEPW	'PIRKEY GENERATION 138KV'	490	-0.0005	-0.03337	458
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.03387	AEPW	'WILKES 345KV'	233.6473	-0.00052	-0.03335	458
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.03387	AEPW	'WILKES 345KV'	233.6473	-0.00052	-0.03335	458
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.03387	AEPW	'WILKES 138KV'	154.1873	-0.00054	-0.03333	459
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.03387	AEPW	'WILKES 138KV'	154.1873	-0.00054	-0.03333	459
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.03387	AEPW	'WELSH 345KV'	1044	-0.00061	-0.03326	460
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.03387	AEPW	'WELSH 345KV'	1044	-0.00061	-0.03326	460

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: ELK CITY - MOREWOOD SW 138KV CKT 1 AEPW
Limiting Facility: ELK CITY - MOREWOOD SW 138KV CKT 1
Direction: To->From
Line Outage: SPP-SWPS-04A
Flowgate: 54121560011SPP-SWPS-04A2408SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	3.6	16.3
1162617	0.5	16.3
1162675	3.5	16.3
1162677	5.2	16.3
1162680	3.5	16.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'BLUCAN14 138 138KV'	151.2	-0.04534	WFEC	'MORLND 138KV'	301.1445	0.22732	-0.27266	60
WFEC	'BLUCAN14 138 138KV'	151.2	-0.04534	WFEC	'SLEEPING BEAR 138KV'	96	0.22368	-0.26902	60
WFEC	'ANADARKO 138KV'	90	-0.0388	WFEC	'MORLND 138KV'	301.1445	0.22732	-0.26612	61
WFEC	'ANADARKO 138KV'	90	-0.0388	WFEC	'SLEEPING BEAR 138KV'	96	0.22368	-0.26248	62
WFEC	'ANADARKO 69KV'	76	-0.0333	WFEC	'MORLND 138KV'	301.1445	0.22732	-0.26062	62
WFEC	'ANADARKO 69KV'	76	-0.0333	WFEC	'SLEEPING BEAR 138KV'	96	0.22368	-0.25698	63
OKGE	'SEMINOLE 138KV'	29.90494	-0.00545	OKGE	'FPLWND2 34KV'	102	0.22722	-0.23267	70
OKGE	'AES 161KV'	580	-0.00085	OKGE	'FPLWND2 34KV'	102	0.22722	-0.22807	71
OKGE	'MCCLAIN 138KV'	42	-0.00304	OKGE	'FPLWND2 34KV'	102	0.22722	-0.23026	71
OKGE	'MUSKOGEE 161KV'	43.582	-0.00056	OKGE	'FPLWND2 34KV'	102	0.22722	-0.22778	71
OKGE	'MUSKOGEE 161KV'	31	-0.00056	OKGE	'FPLWND2 34KV'	102	0.22722	-0.22778	71
OKGE	'REDBUD 345KV'	500	-0.00066	OKGE	'FPLWND2 34KV'	102	0.22722	-0.22788	71
OKGE	'REDBUD 345KV'	300	-0.00066	OKGE	'FPLWND2 34KV'	102	0.22722	-0.22788	71
OKGE	'TINKER 5G 138KV'	62	-0.00327	OKGE	'FPLWND2 34KV'	102	0.22722	-0.23049	71
OKGE	'ONE OAK 345KV'	261	0.00064	OKGE	'FPLWND2 34KV'	102	0.22722	-0.22658	72
OKGE	'SEMINOLE 138KV'	29.90494	-0.00545	OKGE	'SLEEPING BEAR 34KV'	120	0.21928	-0.22473	72
OKGE	'MCCLAIN 138KV'	42	-0.00304	OKGE	'SLEEPING BEAR 34KV'	120	0.21928	-0.22232	73
OKGE	'TINKER 5G 138KV'	62	-0.00327	OKGE	'SLEEPING BEAR 34KV'	120	0.21928	-0.22255	73
OKGE	'AES 161KV'	580	-0.00085	OKGE	'SLEEPING BEAR 34KV'	120	0.21928	-0.22013	74
OKGE	'MUSKOGEE 161KV'	43.582	-0.00056	OKGE	'SLEEPING BEAR 34KV'	120	0.21928	-0.21984	74
OKGE	'MUSKOGEE 161KV'	31	-0.00056	OKGE	'SLEEPING BEAR 34KV'	120	0.21928	-0.21984	74
OKGE	'ONE OAK 345KV'	261	0.00064	OKGE	'SLEEPING BEAR 34KV'	120	0.21928	-0.21864	74
OKGE	'REDBUD 345KV'	500	-0.00066	OKGE	'SLEEPING BEAR 34KV'	120	0.21928	-0.21994	74
OKGE	'REDBUD 345KV'	300	-0.00066	OKGE	'SLEEPING BEAR 34KV'	120	0.21928	-0.21994	74
OKGE	'SOONER 7 345 345KV'	1050	0.00823	OKGE	'FPLWND2 34KV'	102	0.22722	-0.21899	74

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

OKGE	'CONTINENTAL EMPIRE 138KV'	32	0.01186	OKGE	'FPLWND2 34KV'	102	0.22722	-0.21536	76
OKGE	'SOONER 7 345 345KV'	1050	0.00823	OKGE	'SLEEPING BEAR 34KV'	120	0.21928	-0.21105	77
OKGE	'CONTINENTAL EMPIRE 138KV'	32	0.01186	OKGE	'SLEEPING BEAR 34KV'	120	0.21928	-0.20742	78
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.04921	OKGE	'FPLWND2 34KV'	102	0.22722	-0.17801	91
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.04921	OKGE	'SLEEPING BEAR 34KV'	120	0.21928	-0.17007	96
AEPW	'SOUTHWESTERN STATION 138KV'	172.5	-0.04364	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00119	-0.04483	363
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.04364	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00119	-0.04483	363
AEPW	'SOUTHWESTERN STATION 138KV'	172.5	-0.04364	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00078	-0.04442	366
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.04364	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00078	-0.04442	366
AEPW	'SOUTHWESTERN STATION 138KV'	172.5	-0.04364	AEPW	'FLINT CREEK 161KV'	428	0.0006	-0.04424	368
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.04364	AEPW	'FLINT CREEK 161KV'	428	0.0006	-0.04424	368
AEPW	'SOUTHWESTERN STATION 138KV'	172.5	-0.04364	AEPW	'OEC 345KV'	469	0.00004	-0.04368	372
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.04364	AEPW	'OEC 345KV'	469	0.00004	-0.04368	372
AEPW	'SOUTHWESTERN STATION 138KV'	172.5	-0.04364	AEPW	'COGENTRIX 345KV'	304	-0.00008	-0.04356	373
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.04364	AEPW	'COGENTRIX 345KV'	304	-0.00008	-0.04356	373
AEPW	'SOUTHWESTERN STATION 138KV'	172.5	-0.04364	AEPW	'RIVERSIDE STATION 138KV'	482	-0.0001	-0.04354	374
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.04364	AEPW	'RIVERSIDE STATION 138KV'	482	-0.0001	-0.04354	374
AEPW	'SOUTHWESTERN STATION 138KV'	172.5	-0.04364	AEPW	'FITZHUGH 161KV'	126	-0.00066	-0.04298	378
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.04364	AEPW	'FITZHUGH 161KV'	126	-0.00066	-0.04298	378
AEPW	'SOUTHWESTERN STATION 138KV'	172.5	-0.04364	AEPW	'EASTMAN 138KV'	355	-0.00296	-0.04068	400
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.04364	AEPW	'EASTMAN 138KV'	355	-0.00296	-0.04068	400
AEPW	'SOUTHWESTERN STATION 138KV'	172.5	-0.04364	AEPW	'KNOXLEE 138KV'	164	-0.00293	-0.04071	400
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.04364	AEPW	'KNOXLEE 138KV'	164	-0.00293	-0.04071	400
AEPW	'SOUTHWESTERN STATION 138KV'	172.5	-0.04364	AEPW	'LEBROCK 345KV'	465	-0.00295	-0.04069	400
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.04364	AEPW	'LEBROCK 345KV'	465	-0.00295	-0.04069	400
AEPW	'SOUTHWESTERN STATION 138KV'	172.5	-0.04364	AEPW	'PIRKEY GENERATION 138KV'	490	-0.00294	-0.0407	400
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.04364	AEPW	'PIRKEY GENERATION 138KV'	490	-0.00294	-0.0407	400
AEPW	'SOUTHWESTERN STATION 138KV'	172.5	-0.04364	AEPW	'WILKES 345KV'	311	-0.00301	-0.04063	400
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.04364	AEPW	'WILKES 345KV'	311	-0.00301	-0.04063	400
AEPW	'SOUTHWESTERN STATION 138KV'	172.5	-0.04364	AEPW	'WILKES 138KV'	249.2911	-0.00306	-0.04058	401
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.04364	AEPW	'WILKES 138KV'	249.2911	-0.00306	-0.04058	401
AEPW	'SOUTHWESTERN STATION 138KV'	172.5	-0.04364	AEPW	'WELSH 345KV'	1044	-0.00332	-0.04032	403
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.04364	AEPW	'WELSH 345KV'	1044	-0.00332	-0.04032	403
WFEC	'BLUCAN14 138 138KV'	151.2	-0.04534	WFEC	'HUGO 138KV'	450	-0.00663	-0.03871	420

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: ELK CITY - MOREWOOD SW 138KV CKT 1 AEPW
Limiting Facility: ELK CITY - MOREWOOD SW 138KV CKT 1
Direction: To->From
Line Outage: SPP-SWPS-04A
Flowgate: 54121560011SPP-SWPS-04A4407WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	0.1	0.4
1162223	0.0	0.4
1162617	0.0	0.4
1162675	0.1	0.4
1162677	0.1	0.4
1162680	0.1	0.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	659	-0.00079	OKGE	'FPLWND2 34KV'	102	0.22712	-0.22791	2
OKGE	'AES 161KV'	659	-0.00079	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.21985	2
WFEC	'ANADARKO 138KV'	90	-0.03963	WFEC	'MORLND 138KV'	171.0733	0.22724	-0.26687	2
WFEC	'ANADARKO 138KV'	90	-0.03963	WFEC	'SLEEPING BEAR 138KV'	96	0.22385	-0.26348	2
WFEC	'ANADARKO 69KV'	76	-0.03422	WFEC	'MORLND 138KV'	171.0733	0.22724	-0.26146	2
WFEC	'ANADARKO 69KV'	76	-0.03422	WFEC	'SLEEPING BEAR 138KV'	96	0.22385	-0.25807	2
WFEC	'BLUCAN14 138 138KV'	151.2	-0.04622	WFEC	'MORLND 138KV'	171.0733	0.22724	-0.27346	2
WFEC	'BLUCAN14 138 138KV'	151.2	-0.04622	WFEC	'SLEEPING BEAR 138KV'	96	0.22385	-0.27007	2
OKGE	'HORSESHOE LAKE 138KV'	380	-0.00182	OKGE	'FPLWND2 34KV'	102	0.22712	-0.22894	2
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.00182	OKGE	'FPLWND2 34KV'	102	0.22712	-0.22894	2
OKGE	'HORSESHOE LAKE 138KV'	91	-0.00182	OKGE	'FPLWND2 34KV'	102	0.22712	-0.22894	2
OKGE	'HORSESHOE LAKE 138KV'	380	-0.00182	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.22088	2
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.00182	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.22088	2
OKGE	'HORSESHOE LAKE 138KV'	91	-0.00182	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.22088	2
OKGE	'HORSESHOE LAKE 69KV'	16	-0.00224	OKGE	'FPLWND2 34KV'	102	0.22712	-0.22936	2
OKGE	'HORSESHOE LAKE 69KV'	16	-0.00224	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.2213	2
OKGE	'MCCLAIN 138KV'	42	-0.00313	OKGE	'FPLWND2 34KV'	102	0.22712	-0.23025	2
OKGE	'MCCLAIN 138KV'	42	-0.00313	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.22219	2
OKGE	'MUSKOGEE 161KV'	166	-0.00052	OKGE	'FPLWND2 34KV'	102	0.22712	-0.22764	2
OKGE	'MUSKOGEE 161KV'	31	-0.00052	OKGE	'FPLWND2 34KV'	102	0.22712	-0.22764	2
OKGE	'MUSKOGEE 161KV'	166	-0.00052	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.21958	2
OKGE	'MUSKOGEE 161KV'	31	-0.00052	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.21958	2
OKGE	'MUSKOGEE 345KV'	20	-0.00086	OKGE	'FPLWND2 34KV'	102	0.22712	-0.22798	2
OKGE	'MUSKOGEE 345KV'	20	-0.00086	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.21992	2
OKGE	'MUSTANG 138KV'	365.5	-0.00143	OKGE	'FPLWND2 34KV'	102	0.22712	-0.22855	2
OKGE	'MUSTANG 138KV'	365.5	-0.00143	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.22049	2
OKGE	'MUSTANG 69KV'	106	0.00019	OKGE	'FPLWND2 34KV'	102	0.22712	-0.22693	2
OKGE	'MUSTANG 69KV'	106	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.21887	2
OKGE	'ONE OAK 345KV'	334	0.00068	OKGE	'FPLWND2 34KV'	102	0.22712	-0.22644	2
OKGE	'ONE OAK 345KV'	334	0.00068	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.21838	2
OKGE	'REDBUD 345KV'	550	-0.00062	OKGE	'FPLWND2 34KV'	102	0.22712	-0.22774	2
OKGE	'REDBUD 345KV'	300	-0.00062	OKGE	'FPLWND2 34KV'	102	0.22712	-0.22774	2
OKGE	'REDBUD 345KV'	550	-0.00062	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.21968	2
OKGE	'REDBUD 345KV'	300	-0.00062	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.21968	2
OKGE	'SEMINOLE 138KV'	316.2639	-0.00539	OKGE	'FPLWND2 34KV'	102	0.22712	-0.23251	2
OKGE	'SEMINOLE 138KV'	316.2639	-0.00539	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.22445	2
OKGE	'SEMINOLE 345KV'	507.6	-0.0042	OKGE	'FPLWND2 34KV'	102	0.22712	-0.23132	2
OKGE	'SEMINOLE 345KV'	507.6	-0.0042	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.22326	2
OKGE	'SOONER 138KV'	24.99997	0.01179	OKGE	'FPLWND2 34KV'	102	0.22712	-0.21533	2
OKGE	'SOONER 138KV'	24.99997	0.01179	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.20727	2
OKGE	'SOONER 7 345 345KV'	1050	0.00819	OKGE	'FPLWND2 34KV'	102	0.22712	-0.21893	2
OKGE	'SOONER 7 345 345KV'	1050	0.00819	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.21087	2
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.04867	OKGE	'FPLWND2 34KV'	102	0.22712	-0.17845	2
OKGE	'TINKER 5G 138KV'	62	-0.00325	OKGE	'FPLWND2 34KV'	102	0.22712	-0.23037	2
OKGE	'TINKER 5G 138KV'	62	-0.00325	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.22231	2
OMPA	'OMPA-MANGUM 69KV'	6.3	-0.08539	OMPA	'OMPA-KINGFISHER BOWMAN 69KV'	9.953782	0.04611	-0.1315	3

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

OKGE	'SOUTH 4TH ST 69KV'	42.7	0.04867	OKGE	'SLEEPING BEAR 34KV'	120	0.21906	-0.17039	3
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'AEP-CT0613.8 161KV'	320	0.00055	-0.04501	10
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'AEP-CT0613.8 161KV'	320	0.00055	-0.04501	10
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'COGENTRIX 345KV'	304	-0.00005	-0.04441	10
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'COGENTRIX 345KV'	304	-0.00005	-0.04441	10
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'EASTMAN 138KV'	355	-0.00287	-0.04159	10
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'EASTMAN 138KV'	355	-0.00287	-0.04159	10
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'FITZHUGH 161KV'	5.999998	-0.0006	-0.04386	10
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'FITZHUGH 161KV'	5.999998	-0.0006	-0.04386	10
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'FLINT CREEK 161KV'	400	0.00062	-0.04508	10
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'FLINT CREEK 161KV'	400	0.00062	-0.04508	10
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'L&D13 69KV'	11	-0.0006	-0.04386	10
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'L&D13 69KV'	11	-0.0006	-0.04386	10
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'LEBROCK 345KV'	515	-0.00287	-0.04159	10
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'LEBROCK 345KV'	515	-0.00287	-0.04159	10
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'LIEBERMAN 138KV'	4	-0.00263	-0.04183	10
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'LIEBERMAN 138KV'	4	-0.00263	-0.04183	10
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'NORTHEASTERN STATION 138KV'	45	0.00121	-0.04567	10
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'NORTHEASTERN STATION 138KV'	83	0.00121	-0.04567	10
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'NORTHEASTERN STATION 138KV'	45	0.00121	-0.04567	10
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'NORTHEASTERN STATION 138KV'	83	0.00121	-0.04567	10
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'NORTHEASTERN STATION 345KV'	600	0.0008	-0.04526	10
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'NORTHEASTERN STATION 345KV'	600	0.0008	-0.04526	10
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'OEC 345KV'	369	0.00008	-0.04454	10
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'OEC 345KV'	369	0.00008	-0.04454	10
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'PIRKEY GENERATION 138KV'	450	-0.00286	-0.0416	10
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'PIRKEY GENERATION 138KV'	450	-0.00286	-0.0416	10
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'RIVERSIDE STATION 138KV'	6.000008	-0.00007	-0.04439	10
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'RIVERSIDE STATION 138KV'	6.000008	-0.00007	-0.04439	10
WFEC	'BLUCAN14 138 138KV'	151.2	-0.04622	WFEC	'HUGO 138KV'	450	-0.00654	-0.03968	11
OMPA	'OMPA-PAWHUSKA NORTHEAST 138KV'	6.9	0.0062	OMPA	'OMPA-KINGFISHER BOWMAN 69KV'	9.953782	0.04611	-0.03991	11
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'WELSH 345KV'	975.0001	-0.00322	-0.04124	11
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'WELSH 345KV'	975.0001	-0.00322	-0.04124	11
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'WILKES 138KV'	24.88006	-0.00298	-0.04148	11
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'WILKES 138KV'	24.88006	-0.00298	-0.04148	11
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.04446	AEPW	'WILKES 345KV'	44.61047	-0.00292	-0.04154	11
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.04446	AEPW	'WILKES 345KV'	44.61047	-0.00292	-0.04154	11
WFEC	'ANADARKO 138KV'	90	-0.03963	WFEC	'HUGO 138KV'	450	-0.00654	-0.03309	13
OMPA	'OMPA-PONCA CITY 69KV'	156.6	0.01533	OMPA	'OMPA-KINGFISHER BOWMAN 69KV'	9.953782	0.04611	-0.03078	14

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Evans - Grant - Chisolm Rebuild and Conversion Project
Limiting Facility: 17TH STREET (17TH 4X) 138/69/11.295KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: CHISHOLM (CHISLM1X) 138/69/13.2KV TRANSFORMER CKT 1
Flowgate: 17TTH4X1421CHISISLM1X4213207SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1129973	0.1	5.2
1161997	3.9	5.2
1162177	1.3	5.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'GILL ENERGY CENTER 69KV'	118	-0.09185	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00781	-0.09966	53
WERE	'GILL ENERGY CENTER 69KV'	118	-0.09185	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00372	-0.09557	55
WERE	'GILL ENERGY CENTER 69KV'	118	-0.09185	WERE	'CHANUTE 69KV'	56.723	0.00234	-0.09419	56
WERE	'GILL ENERGY CENTER 69KV'	118	-0.09185	WERE	'CITY OF ERIE 69KV'	23.27	0.00234	-0.09419	56
WERE	'GILL ENERGY CENTER 69KV'	118	-0.09185	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.00038	-0.09147	57
WERE	'GILL ENERGY CENTER 69KV'	118	-0.09185	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.9319	-0.00047	-0.09138	57
WERE	'GILL ENERGY CENTER 69KV'	118	-0.09185	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00203	-0.08982	58
WERE	'GILL ENERGY CENTER 69KV'	118	-0.09185	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00097	-0.09088	58
WERE	'GILL ENERGY CENTER 69KV'	118	-0.09185	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00096	-0.09089	58
WERE	'GILL ENERGY CENTER 69KV'	118	-0.09185	WERE	'TECUMSEH ENERGY CENTER 115KV'	124.5195	-0.00067	-0.09118	58
WERE	'GILL ENERGY CENTER 69KV'	118	-0.09185	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.00338	-0.08847	59
WERE	'GILL ENERGY CENTER 69KV'	118	-0.09185	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.00416	-0.08769	60
WERE	'GILL ENERGY CENTER 69KV'	118	-0.09185	WERE	'EVANS ENERGY CENTER 138KV'	340	-0.01704	-0.07481	70

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: EXIDE JUNCTION - SUMMIT 115KV CKT 1
Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
Direction: To->From
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 57368573811568725687312206WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162581	0.1	4.5
1162582	0.1	4.5
1167662	3.4	4.5
1167664	1.0	4.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.29672	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01763	-0.31435	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.29672	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02344	-0.32016	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.29672	WERE	'CHANUTE 69KV'	35.344	0.00149	-0.29821	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.29672	WERE	'CITY OF AUGUSTA 69KV'	12.42	0.00018	-0.2969	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.29672	WERE	'CITY OF IOLA 69KV'	13.978	0.00176	-0.29848	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.29672	WERE	'CITY OF WELLINGTON 69KV'	8.63201	-0.00182	-0.2949	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.29672	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00283	-0.29955	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.29672	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00001	-0.29673	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.29672	WERE	'LAWRENCE ENERGY CENTER 230KV'	179.2637	0.00976	-0.30648	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.29672	WERE	'TECUMSEH ENERGY CENTER 115KV'	16.05786	0.00934	-0.30606	15

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.29672	WERE	'WACO 138KV'	17.953	-0.00305	-0.29367	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.23956	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01763	-0.25719	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.23956	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02344	-0.263	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.23945	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01763	-0.25708	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.23945	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02344	-0.26289	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.23956	WERE	'CHANUTE 69KV'	35.344	0.00149	-0.24105	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.23956	WERE	'CITY OF IOLA 69KV'	13.978	0.00176	-0.24132	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.23956	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00283	-0.24239	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.23956	WERE	'LAWRENCE ENERGY CENTER 230KV'	179.2637	0.00976	-0.24932	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.23956	WERE	'TECUMSEH ENERGY CENTER 115KV'	16.05786	0.00934	-0.2489	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.23945	WERE	'CHANUTE 69KV'	35.344	0.00149	-0.24094	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.23945	WERE	'CITY OF IOLA 69KV'	13.978	0.00176	-0.24121	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.23945	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00283	-0.24228	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.23945	WERE	'LAWRENCE ENERGY CENTER 230KV'	179.2637	0.00976	-0.24921	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.23945	WERE	'TECUMSEH ENERGY CENTER 115KV'	16.05786	0.00934	-0.24879	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.23956	WERE	'CITY OF AUGUSTA 69KV'	12.42	0.00018	-0.23974	19
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.23956	WERE	'CITY OF WELLINGTON 69KV'	8.63201	-0.00182	-0.23774	19
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.23956	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00001	-0.23957	19
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.23956	WERE	'WACO 138KV'	17.953	-0.00305	-0.23651	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.23945	WERE	'CITY OF AUGUSTA 69KV'	12.42	0.00018	-0.23963	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.23945	WERE	'CITY OF WELLINGTON 69KV'	8.63201	-0.00182	-0.23763	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.23945	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00001	-0.23946	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.23945	WERE	'WACO 138KV'	17.953	-0.00305	-0.2364	19
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.15679	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02344	-0.18023	25
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.15679	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01763	-0.17442	26
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.15679	WERE	'LAWRENCE ENERGY CENTER 230KV'	179.2637	0.00976	-0.16655	27
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.15679	WERE	'TECUMSEH ENERGY CENTER 115KV'	16.05786	0.00934	-0.16613	27
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.15679	WERE	'CHANUTE 69KV'	35.344	0.00149	-0.15828	28
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.15679	WERE	'CITY OF AUGUSTA 69KV'	12.42	0.00018	-0.15697	28
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.15679	WERE	'CITY OF IOLA 69KV'	13.978	0.00176	-0.15855	28
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.15679	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00283	-0.15962	28
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.15679	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00001	-0.1568	28
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.15679	WERE	'WACO 138KV'	17.953	-0.00305	-0.15374	29
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.09787	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02344	-0.12131	37
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.09787	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01763	-0.1155	39
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.09787	WERE	'LAWRENCE ENERGY CENTER 230KV'	179.2637	0.00976	-0.10763	41
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.09787	WERE	'TECUMSEH ENERGY CENTER 115KV'	16.05786	0.00934	-0.10721	42
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.09787	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00283	-0.1007	44
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.09787	WERE	'CHANUTE 69KV'	35.344	0.00149	-0.09936	45
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.09787	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00001	-0.09788	46
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	-0.09787	WERE	'WACO 138KV'	17.953	-0.00305	-0.09482	47
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.12236	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.07668	-0.04568	98

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: GREENSBURG - JUDSON LARGE 115KV CKT 1
Limiting Facility: GREENSBURG - JUDSON LARGE 115KV CKT 1
Direction: To->From
Line Outage: MULLERGREN - SPEARVILLE 230KV CKT 1
Flowgate: 587645877115877958795111O6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162581	0.1	8.3
1162582	0.1	8.3
1162649	8.2	8.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'HARPER 138KV'	17.21	-0.12737	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23739	-0.36476	23
WEPL	'HARPER 138KV'	17.21	-0.12737	WEPL	'JUDSON LARGE 115KV'	55.29412	0.23904	-0.36641	23
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.01582	-0.04124	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23739	-0.27863	30
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.01582	-0.04124	WEPL	'JUDSON LARGE 115KV'	55.29412	0.23904	-0.28028	30
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.04124	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23739	-0.27863	30
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.04124	WEPL	'JUDSON LARGE 115KV'	55.29412	0.23904	-0.28028	30
WEPL	'RUSSELL 115KV'	27.9	-0.03214	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23739	-0.26953	31
WEPL	'RUSSELL 115KV'	27.9	-0.03214	WEPL	'JUDSON LARGE 115KV'	55.29412	0.23904	-0.27118	31
WEPL	'BELOIT 115KV'	16.6	-0.01348	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23739	-0.25087	33
WEPL	'BELOIT 115KV'	16.6	-0.01348	WEPL	'JUDSON LARGE 115KV'	55.29412	0.23904	-0.25252	33
WEPL	'CLIFTON 115KV'	70	-0.00975	WEPL	'JUDSON LARGE 115KV'	55.29412	0.23904	-0.24879	33
WEPL	'GREENLEAF 115KV'	14.2	-0.00845	WEPL	'JUDSON LARGE 115KV'	55.29412	0.23904	-0.24749	33
WEPL	'HARPER 138KV'	17.21	-0.12737	WEPL	'SPEARVILLE WIND 34KV'	101	0.12748	-0.25485	33
WEPL	'CLIFTON 115KV'	70	-0.00975	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23739	-0.24714	34
WEPL	'GREENLEAF 115KV'	14.2	-0.00845	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23739	-0.24584	34
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.01582	-0.04124	WEPL	'SPEARVILLE WIND 34KV'	101	0.12748	-0.16872	49
WEPL	'RUSSELL 115KV'	27.9	-0.03214	WEPL	'SPEARVILLE WIND 34KV'	101	0.12748	-0.15962	52
WEPL	'CLIFTON 115KV'	70	-0.00975	WEPL	'SPEARVILLE WIND 34KV'	101	0.12748	-0.13723	60
WEPL	'CIMARRON RIVER 115KV'	72	0.14675	WEPL	'JUDSON LARGE 115KV'	55.29412	0.23904	-0.09229	90
WEPL	'CIMARRON RIVER 115KV'	72	0.14675	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23739	-0.09064	91

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: GREENSBURG - JUDSON LARGE 115KV CKT 1
Limiting Facility: GREENSBURG - JUDSON LARGE 115KV CKT 1
Direction: To->From
Line Outage: MULLERGREN - SPEARVILLE 230KV CKT 1
Flowgate: 587645877115877958795111O7G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162581	0.1	2.1
1162582	0.1	2.1
1162649	2.0	2.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'HARPER 138KV'	17.21	-0.1267	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23725	-0.36395	6

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WEPL	'HARPER 138KV'	17.21	-0.1267	WEPL	'JUDSON LARGE 115KV'	88.61687	0.2389	-0.3656	6
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	19.71292	-0.03312	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23725	-0.27037	8
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	19.71292	-0.03312	WEPL	'JUDSON LARGE 115KV'	88.61687	0.2389	-0.27202	8
WEPL	'BELOIT 115KV'	16.6	-0.01236	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23725	-0.24961	8
WEPL	'BELOIT 115KV'	16.6	-0.01236	WEPL	'JUDSON LARGE 115KV'	88.61687	0.2389	-0.25126	8
WEPL	'CLIFTON 115KV'	70	-0.00907	WEPL	'JUDSON LARGE 115KV'	88.61687	0.2389	-0.24797	8
WEPL	'HARPER 138KV'	17.21	-0.1267	WEPL	'SPEARVILLE WIND 34KV'	101	0.12705	-0.25375	8
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.03312	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23725	-0.27037	8
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.03312	WEPL	'JUDSON LARGE 115KV'	88.61687	0.2389	-0.27202	8
WEPL	'PLAINVILLE 115KV'	5.79	-0.01168	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23725	-0.24893	8
WEPL	'PLAINVILLE 115KV'	5.79	-0.01168	WEPL	'JUDSON LARGE 115KV'	88.61687	0.2389	-0.25058	8
WEPL	'RUSSELL 115KV'	27.9	-0.02641	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23725	-0.26366	8
WEPL	'RUSSELL 115KV'	27.9	-0.02641	WEPL	'JUDSON LARGE 115KV'	88.61687	0.2389	-0.26531	8
WEPL	'SMITH CENTER 115KV'	6.15	-0.01505	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23725	-0.2523	8
WEPL	'SMITH CENTER 115KV'	6.15	-0.01505	WEPL	'JUDSON LARGE 115KV'	88.61687	0.2389	-0.25395	8
WEPL	'CLIFTON 115KV'	70	-0.00907	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23725	-0.24632	9
WEPL	'GREENLEAF 115KV'	14.2	-0.00786	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23725	-0.24511	9
WEPL	'GREENLEAF 115KV'	14.2	-0.00786	WEPL	'JUDSON LARGE 115KV'	88.61687	0.2389	-0.24676	9
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	19.71292	-0.03312	WEPL	'SPEARVILLE WIND 34KV'	101	0.12705	-0.16017	13
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.03312	WEPL	'SPEARVILLE WIND 34KV'	101	0.12705	-0.16017	13
WEPL	'RUSSELL 115KV'	27.9	-0.02641	WEPL	'SPEARVILLE WIND 34KV'	101	0.12705	-0.15346	14
WEPL	'BELOIT 115KV'	16.6	-0.01236	WEPL	'SPEARVILLE WIND 34KV'	101	0.12705	-0.13941	15
WEPL	'CLIFTON 115KV'	70	-0.00907	WEPL	'SPEARVILLE WIND 34KV'	101	0.12705	-0.13612	15
MIDW	'PAWNEE 115KV'	999	-0.09226	MIDW	'COLBY 115KV'	7.176668	0.04881	-0.14107	15
WEPL	'PLAINVILLE 115KV'	5.79	-0.01168	WEPL	'SPEARVILLE WIND 34KV'	101	0.12705	-0.13873	15
MIDW	'RICE 115KV'	999	-0.09226	MIDW	'COLBY 115KV'	7.176668	0.04881	-0.14107	15
WEPL	'SMITH CENTER 115KV'	6.15	-0.01505	WEPL	'SPEARVILLE WIND 34KV'	101	0.12705	-0.1421	15
WEPL	'GREENLEAF 115KV'	14.2	-0.00786	WEPL	'SPEARVILLE WIND 34KV'	101	0.12705	-0.13491	16
WEPL	'HARPER 138KV'	17.21	-0.1267	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	43.28708	-0.03312	-0.09358	22
WEPL	'CIMARRON RIVER 115KV'	72	0.14633	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23725	-0.09092	23
WEPL	'CIMARRON RIVER 115KV'	72	0.14633	WEPL	'JUDSON LARGE 115KV'	88.61687	0.2389	-0.09257	23
SUNC	'CITY OF NORTON 115KV'	10.56	0.023	SUNC	'HOLCOMB 115KV'	264.7747	0.09163	-0.06863	31

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: GREENSBURG - JUDSON LARGE 115KV CKT 1
Limiting Facility: GREENSBURG - JUDSON LARGE 115KV CKT 1
Direction: To->From
Line Outage: MULLERGREN - SPEARVILLE 230KV CKT 1
Flowgate: 587645877115877958795131O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1162581	0.1	13.4
1162582	0.1	13.4
1162649	13.3	13.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'HARPER 138KV'	17.21	-0.12621	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23753	-0.36374	37
WEPL	'HARPER 138KV'	17.21	-0.12621	WEPL	'JUDSON LARGE 115KV'	117.4117	0.23919	-0.3654	37
WEPL	'RUSSELL 115KV'	27.9	-0.02465	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23753	-0.26218	51
WEPL	'RUSSELL 115KV'	27.9	-0.02465	WEPL	'JUDSON LARGE 115KV'	117.4117	0.23919	-0.26384	51
WEPL	'CLIFTON 115KV'	23.50055	-0.00919	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23753	-0.24672	54
WEPL	'CLIFTON 115KV'	23.50055	-0.00919	WEPL	'JUDSON LARGE 115KV'	117.4117	0.23919	-0.24838	54
WEPL	'CIMARRON RIVER 115KV'	72	0.1465	WEPL	'JUDSON LARGE 115KV'	117.4117	0.23919	-0.09269	144
WEPL	'CIMARRON RIVER 115KV'	72	0.1465	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23753	-0.09103	147

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: HUGO 345/138KV TRANSFORMER CKT 2 & Hugo - SunnySide 345kV
Limiting Facility: BROWN - RUSSETT 138KV CKT 1
Direction: From->To
Line Outage: BROWN - BROWN 138KV CKT 1
Flowgate: 5280256044155157528021221 1WP
Date Redispatch Needed: 12/1/11 - 4/1/12
Season Flowgate Identified: 2011 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1152679	14.2	15.1
1162223	0.3	15.1
1162617	0.6	15.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	21.77705	-0.007	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.46528	32
SWPA	'CARTHAGE 69KV'	18	-0.00801	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.46629	32
SWPA	'KEYSTONE DAM 161KV'	17.14334	-0.00872	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.467	32
SWPA	'STOCKTON 161KV'	12.82026	-0.00791	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.46619	32
SWPA	'TRUMAN 161KV'	89.50612	-0.00762	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.4659	32
SWPA	'BULL SHOALS 161KV'	84.82441	-0.00388	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.46216	33
SWPA	'CLARENCE CANNON DAM 69KV'	58	-0.00573	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.46401	33
SWPA	'DARDANELLE 161KV'	39.65594	-0.00019	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.45847	33
SWPA	'EUFAULA 138KV'	14.75306	0.00432	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.45396	33
SWPA	'FORT GIBSON 161KV'	12.1571	-0.00507	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.46335	33
SWPA	'GREERS FERRY 161KV'	27.11582	-0.00012	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.4584	33
SWPA	'KENNETT 69KV'	28	-0.00118	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.45946	33
SWPA	'MALDEN 69KV'	14	-0.00137	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.45965	33
SWPA	'NORFORK 161KV'	20.8316	-0.00299	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.46127	33
SWPA	'OZARK 161KV'	28.1053	-0.00099	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.45927	33
SWPA	'PARAGOULD 69KV'	14.1	-0.00089	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.45917	33
SWPA	'POPLAR BLUFF 69KV'	13	-0.00197	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.46025	33
SWPA	'ROBERT S. KERR 161KV'	30.97009	0.00026	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.45802	33
SWPA	'TABLE ROCK 161KV'	54.23164	-0.00617	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.46445	33
SWPA	'WEBBERS FALLS 161KV'	34.24212	-0.00026	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.45854	33
SWPA	'BROKEN BOW 138KV'	27.11582	0.04358	SWPA	'DENISON 138KV'	52.85666	0.45828	-0.4147	36
WFEC	'ANADARKO 69KV'	76	-0.03119	WFEC	'HUGO 138KV'	932.515	0.07193	-0.10312	146
WFEC	'ANADARKO 138KV'	241.2509	-0.03101	WFEC	'HUGO 138KV'	932.515	0.07193	-0.10294	147

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WFEC	'ANADARKO 138KV'	90	-0.03101	WFEC	'HUGO 138KV'	932.515	0.07193	-0.10294	147
WFEC	'BLUCAN14 138 138KV'	151.2	-0.03065	WFEC	'HUGO 138KV'	932.515	0.07193	-0.10258	147
WFEC	'MORLND 138KV'	320	-0.0244	WFEC	'HUGO 138KV'	932.515	0.07193	-0.09633	157
AEPW	'SOUTHWESTERN STATION 138KV'	411.5	-0.03066	AEPW	'2006-10 24.0 115KV'	619	0.02034	-0.051	296
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03066	AEPW	'2006-10 24.0 115KV'	619	0.02034	-0.051	296
AEPW	'SOUTHWESTERN STATION 138KV'	411.5	-0.03066	AEPW	'WELSH 345KV'	985	0.02043	-0.05109	296
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03066	AEPW	'WELSH 345KV'	985	0.02043	-0.05109	296
AEPW	'SOUTHWESTERN STATION 138KV'	411.5	-0.03066	AEPW	'EASTMAN 138KV'	355	0.01818	-0.04884	309
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03066	AEPW	'EASTMAN 138KV'	355	0.01818	-0.04884	309
AEPW	'SOUTHWESTERN STATION 138KV'	411.5	-0.03066	AEPW	'LEBROCK 345KV'	365	0.01812	-0.04878	310
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03066	AEPW	'LEBROCK 345KV'	365	0.01812	-0.04878	310
AEPW	'SOUTHWESTERN STATION 138KV'	411.5	-0.03066	AEPW	'PIRKEY GENERATION 138KV'	440	0.01808	-0.04874	310
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03066	AEPW	'PIRKEY GENERATION 138KV'	440	0.01808	-0.04874	310
AEPW	'SOUTHWESTERN STATION 138KV'	411.5	-0.03066	AEPW	'AH-CC_ST18.0 138KV'	550	0.01621	-0.04687	322
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03066	AEPW	'AH-CC_ST18.0 138KV'	550	0.01621	-0.04687	322
AEPW	'KIOWA 345KV'	1348	-0.01407	AEPW	'WELSH 345KV'	985	0.02043	-0.0345	438
AEPW	'KIOWA 345KV'	1348	-0.01407	AEPW	'2006-10 24.0 115KV'	619	0.02034	-0.03441	439
AEPW	'KIOWA 345KV'	1348	-0.01407	AEPW	'EASTMAN 138KV'	355	0.01818	-0.03225	468
AEPW	'KIOWA 345KV'	1348	-0.01407	AEPW	'LEBROCK 345KV'	365	0.01812	-0.03219	469
AEPW	'KIOWA 345KV'	1348	-0.01407	AEPW	'PIRKEY GENERATION 138KV'	440	0.01808	-0.03215	470
AEPW	'KIOWA 345KV'	1348	-0.01407	AEPW	'AH-CC_ST18.0 138KV'	550	0.01621	-0.03028	499

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: HUGO 345/138KV TRANSFORMER CKT 2 & Hugo - SunnySide 345kV
Limiting Facility: 2004-18 345 345/138KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: HUGO POWER PLANT - VALLIANT 138KV CKT 1
Flowgate: 559305594815594854044121111WP
Date Redispatch Needed: 12/1/11 - 4/1/12
Season Flowgate Identified: 2011 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1152679	25.2	25.5
1162768	0.3	25.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'MORLND 138KV'	320	0.02434	WFEC	'HUGO 138KV'	950	0.65987	-0.63553	40
WFEC	'ANADARKO 138KV'	257.19	0.04033	WFEC	'HUGO 138KV'	950	0.65987	-0.61954	41
WFEC	'ANADARKO 138KV'	90	0.04033	WFEC	'HUGO 138KV'	950	0.65987	-0.61954	41
WFEC	'ANADARKO 69KV'	76	0.04002	WFEC	'HUGO 138KV'	950	0.65987	-0.61985	41
WFEC	'BLUCAN14 138 138KV'	151.2	0.03851	WFEC	'HUGO 138KV'	950	0.65987	-0.62136	41
SWPA	'BULL SHOALS 161KV'	87.70539	0.00685	SWPA	'DENISON 138KV'	52.27182	0.19472	-0.18787	135
SWPA	'CLARENCE CANNON DAM 69KV'	58	0.00726	SWPA	'DENISON 138KV'	52.27182	0.19472	-0.18746	136
SWPA	'TABLE ROCK 161KV'	56.06581	0.00998	SWPA	'DENISON 138KV'	52.27182	0.19472	-0.18474	138
SWPA	'TRUMAN 161KV'	90.5074	0.00977	SWPA	'DENISON 138KV'	52.27182	0.19472	-0.18495	138
SWPA	'BULL SHOALS 161KV'	87.70539	0.00685	SWPA	'BROKEN BOW 138KV'	81.96709	0.15454	-0.14769	172
SWPA	'CLARENCE CANNON DAM 69KV'	58	0.00726	SWPA	'BROKEN BOW 138KV'	81.96709	0.15454	-0.14728	173
SWPA	'TRUMAN 161KV'	90.5074	0.00977	SWPA	'BROKEN BOW 138KV'	81.96709	0.15454	-0.14477	176
AEPW	'WILKES 345KV'	345.617	-0.03867	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.03838	-0.07705	330
AEPW	'LEBROCK 345KV'	482	-0.03839	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.03838	-0.07677	332
AEPW	'EASTMAN 138KV'	350.01	-0.03811	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.03838	-0.07649	333
AEPW	'KNOXLEE 138KV'	363	-0.03773	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.03838	-0.07611	334
AEPW	'WILKES 138KV'	466.6806	-0.03706	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.03838	-0.07544	337
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.03637	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.03838	-0.07475	340
AEPW	'LIEBERMAN 138KV'	250	-0.03383	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.03838	-0.07221	352
AEPW	'WILKES 345KV'	345.617	-0.03867	AEPW	'WEATHERFORD 34KV'	148	0.02932	-0.06799	374
AEPW	'LEBROCK 345KV'	482	-0.03839	AEPW	'WEATHERFORD 34KV'	148	0.02932	-0.06771	376
AEPW	'EASTMAN 138KV'	350.01	-0.03811	AEPW	'WEATHERFORD 34KV'	148	0.02932	-0.06743	377
AEPW	'KNOXLEE 138KV'	363	-0.03773	AEPW	'WEATHERFORD 34KV'	148	0.02932	-0.06705	380
AEPW	'WILKES 138KV'	466.6806	-0.03706	AEPW	'WEATHERFORD 34KV'	148	0.02932	-0.06638	383
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.03637	AEPW	'WEATHERFORD 34KV'	148	0.02932	-0.06569	387
AEPW	'LIEBERMAN 138KV'	250	-0.03383	AEPW	'WEATHERFORD 34KV'	148	0.02932	-0.06315	403
AEPW	'WILKES 345KV'	345.617	-0.03867	AEPW	'RVRSIDEG13.8 138KV'	172	0.01812	-0.05679	448
AEPW	'LEBROCK 345KV'	482	-0.03839	AEPW	'RVRSIDEG13.8 138KV'	172	0.01812	-0.05651	450
AEPW	'EASTMAN 138KV'	350.01	-0.03811	AEPW	'RVRSIDEG13.8 138KV'	172	0.01812	-0.05623	453
AEPW	'KNOXLEE 138KV'	363	-0.03773	AEPW	'RVRSIDEG13.8 138KV'	172	0.01812	-0.05585	456
AEPW	'WILKES 138KV'	466.6806	-0.03706	AEPW	'RVRSIDEG13.8 138KV'	172	0.01812	-0.05518	461
AEPW	'WILKES 345KV'	345.617	-0.03867	AEPW	'COGENTRIX 345KV'	665	0.01638	-0.05505	462
AEPW	'LEBROCK 345KV'	482	-0.03839	AEPW	'COGENTRIX 345KV'	665	0.01638	-0.05477	465
AEPW	'EASTMAN 138KV'	350.01	-0.03811	AEPW	'COGENTRIX 345KV'	665	0.01638	-0.05449	467
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.03637	AEPW	'RVRSIDEG13.8 138KV'	172	0.01812	-0.05449	467
AEPW	'WILKES 345KV'	345.617	-0.03867	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01558	-0.05425	469
AEPW	'KNOXLEE 138KV'	363	-0.03773	AEPW	'COGENTRIX 345KV'	665	0.01638	-0.05411	470
AEPW	'WILKES 345KV'	345.617	-0.03867	AEPW	'OEC 345KV'	506	0.01537	-0.05404	471
AEPW	'LEBROCK 345KV'	482	-0.03839	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01558	-0.05397	472
AEPW	'LEBROCK 345KV'	482	-0.03839	AEPW	'OEC 345KV'	506	0.01537	-0.05376	473
AEPW	'EASTMAN 138KV'	350.01	-0.03811	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01558	-0.05369	474
AEPW	'EASTMAN 138KV'	350.01	-0.03811	AEPW	'OEC 345KV'	506	0.01537	-0.05348	476
AEPW	'WILKES 138KV'	466.6806	-0.03706	AEPW	'COGENTRIX 345KV'	665	0.01638	-0.05344	476
AEPW	'KNOXLEE 138KV'	363	-0.03773	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01558	-0.05331	477
AEPW	'KNOXLEE 138KV'	363	-0.03773	AEPW	'OEC 345KV'	506	0.01537	-0.0531	479
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.03637	AEPW	'COGENTRIX 345KV'	665	0.01638	-0.05275	482
AEPW	'WILKES 138KV'	466.6806	-0.03706	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01558	-0.05264	483
AEPW	'KIOWA 345KV'	1348	-0.01425	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.03838	-0.05263	484
AEPW	'WILKES 138KV'	466.6806	-0.03706	AEPW	'OEC 345KV'	506	0.01537	-0.05243	485
AEPW	'WILKES 345KV'	345.617	-0.03867	AEPW	'FLINT CREEK 161KV'	410	0.01366	-0.05233	486
AEPW	'LEBROCK 345KV'	482	-0.03839	AEPW	'FLINT CREEK 161KV'	410	0.01366	-0.05205	489
AEPW	'LIEBERMAN 138KV'	250	-0.03383	AEPW	'RVRSIDEG13.8 138KV'	172	0.01812	-0.05195	490
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.03637	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01558	-0.05195	490
AEPW	'EASTMAN 138KV'	350.01	-0.03811	AEPW	'FLINT CREEK 161KV'	410	0.01366	-0.05177	492
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.03637	AEPW	'OEC 345KV'	506	0.01537	-0.05174	492
AEPW	'KNOXLEE 138KV'	363	-0.03773	AEPW	'FLINT CREEK 161KV'	410	0.01366	-0.05139	495
AEPW	'WILKES 138KV'	466.6806	-0.03706	AEPW	'FLINT CREEK 161KV'	410	0.01366	-0.05072	502
AEPW	'LIEBERMAN 138KV'	250	-0.03383	AEPW	'COGENTRIX 345KV'	665	0.01638	-0.05021	507
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.03637	AEPW	'FLINT CREEK 161KV'	410	0.01366	-0.05003	509
AEPW	'LIEBERMAN 138KV'	250	-0.03383	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01558	-0.04941	515
AEPW	'LIEBERMAN 138KV'	250	-0.03383	AEPW	'OEC 345KV'	506	0.01537	-0.0492	517
AEPW	'WILKES 345KV'	345.617	-0.03867	AEPW	'2006-10 24.0 115KV'	619	0.01027	-0.04894	520
AEPW	'LEBROCK 345KV'	482	-0.03839	AEPW	'2006-10 24.0 115KV'	619	0.01027	-0.04866	523

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'EASTMAN 138KV'	350.01	-0.03811	AEPW	'2006-10 24.0 115KV'	619	0.01027	-0.04838	526
AEPW	'KNOXLEE 138KV'	363	-0.03773	AEPW	'2006-10 24.0 115KV'	619	0.01027	-0.048	530
AEPW	'LIEBERMAN 138KV'	250	-0.03383	AEPW	'FLINT CREEK 161KV'	410	0.01366	-0.04749	536
AEPW	'WILKES 138KV'	466.6806	-0.03706	AEPW	'2006-10 24.0 115KV'	619	0.01027	-0.04733	538
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.03637	AEPW	'2006-10 24.0 115KV'	619	0.01027	-0.04664	546
AEPW	'LIEBERMAN 138KV'	250	-0.03383	AEPW	'2006-10 24.0 115KV'	619	0.01027	-0.0441	577
AEPW	'KIOWA 345KV'	1348	-0.01425	AEPW	'COGENTRIX 345KV'	665	0.01638	-0.03063	831

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: HUGO 345/138KV TRANSFORMER CKT 2 & Hugo - SunnySide 345kV
Limiting Facility: HUGO POWER PLANT - VALLIANT 138KV CKT 1
Direction: From->To
Line Outage: 2004-18 345 - VALLIANT 345KV CKT 1
Flowgate: 559485404415593054037143115P
Date Redispatch Needed: 6/1/11 - 10/1/11
Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1152679	53.0	53.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'MORLND 138KV'	320	0.01972	WFEC	'HUGO 138KV'	950	0.51467	-0.49495	107
WFEC	'ANADARKO 138KV'	126.8029	0.03198	WFEC	'HUGO 138KV'	950	0.51467	-0.48269	110
WFEC	'ANADARKO 138KV'	90	0.03198	WFEC	'HUGO 138KV'	950	0.51467	-0.48269	110
WFEC	'ANADARKO 69KV'	76	0.03174	WFEC	'HUGO 138KV'	950	0.51467	-0.48293	110
WFEC	'BLUCAN14 138 138KV'	151.2	0.03061	WFEC	'HUGO 138KV'	950	0.51467	-0.48406	110
AEPW	'LEBROCK 345KV'	482	-0.02895	AEPW	'COGENTRIX 345KV'	865	0.01314	-0.04209	1260
AEPW	'LEBROCK 345KV'	482	-0.02895	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01248	-0.04143	1280
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.02744	AEPW	'COGENTRIX 345KV'	865	0.01314	-0.04058	1307
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.02744	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01248	-0.03992	1329

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: KELLY - SOUTH SENECA 115KV CKT 1
Limiting Facility: KELLY - SOUTH SENECA 115KV CKT 1
Direction: From->To
Line Outage: CONCORDIA - EAST MANHATTAN 230KV CKT 1
Flowgate: 5721757337158758568611220 7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1167662	1.6	2.0
1167664	0.4	2.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'CHANUTE 69KV'	46.617	-0.00043	-0.86913	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00074	-0.8703	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'CITY OF BURLINGTON 69KV'	4.8	-0.00075	-0.86881	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'CITY OF ERIE 69KV'	23.258	-0.00043	-0.86913	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'CITY OF FREDONIA 69KV'	2.496	-0.00038	-0.86918	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'CITY OF GIRARD 69KV'	2.989	-0.00066	-0.8689	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'CITY OF IOLA 69KV'	19.865	-0.00048	-0.86908	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00131	-0.86825	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'CITY OF WELLINGTON 69KV'	36.07001	-0.00163	-0.86793	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'CLAY CENTER JUNCTION 115KV'	11.825	-0.01028	-0.85928	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00075	-0.86881	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'EVANS ENERGY CENTER 138KV'	195	-0.00154	-0.86802	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'GILL ENERGY CENTER 138KV'	59.99365	-0.00222	-0.86734	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	-0.0274	-0.84216	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00351	-0.86605	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00353	-0.86603	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00104	-0.86852	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.4594	-0.00142	-0.86814	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.0006	-0.86896	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.86956	WERE	'WACO 138KV'	17.947	-0.00215	-0.86741	2
WEPL	'GREENLEAF 115KV'	14.2	-0.6172	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02943	-0.58777	3
WEPL	'GREENLEAF 115KV'	14.2	-0.6172	WEPL	'JUDSON LARGE 115KV'	100.0883	-0.0294	-0.5878	3
WEPL	'CLIFTON 115KV'	70	-0.54662	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05454	-0.49208	4
WEPL	'CLIFTON 115KV'	70	-0.54662	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02943	-0.51719	4
WEPL	'CLIFTON 115KV'	70	-0.54662	WEPL	'JUDSON LARGE 115KV'	100.0883	-0.0294	-0.51722	4
WEPL	'GREENLEAF 115KV'	14.2	-0.6172	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05454	-0.56266	4
WEPL	'BELOIT 115KV'	16.6	-0.38445	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05454	-0.32991	6
WEPL	'BELOIT 115KV'	16.6	-0.38445	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02943	-0.35502	6
WEPL	'BELOIT 115KV'	16.6	-0.38445	WEPL	'JUDSON LARGE 115KV'	100.0883	-0.0294	-0.35505	6
WEPL	'SMITH CENTER 115KV'	6.15	-0.28885	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02943	-0.25942	8
WEPL	'SMITH CENTER 115KV'	6.15	-0.28885	WEPL	'JUDSON LARGE 115KV'	100.0883	-0.0294	-0.25945	8
WEPL	'SMITH CENTER 115KV'	6.15	-0.28885	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05454	-0.23431	9
WEPL	'RUSSELL 115KV'	27.9	-0.14154	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02943	-0.11211	18
WEPL	'RUSSELL 115KV'	27.9	-0.14154	WEPL	'JUDSON LARGE 115KV'	100.0883	-0.0294	-0.11214	18
WEPL	'RUSSELL 115KV'	27.9	-0.14154	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05454	-0.087	23

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Limiting Facility: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Direction: To->From
Line Outage: GRD OAK - PLEASANT HILL 345KV CKT 1
Flowgate: 5921059259159198592001340 6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162649	4.2	4.2

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'GREENWOOD 161KV'	247.4551	-0.04821	MIPU	'SOUTH HARPER 161KV'	315	0.39792	-0.44613	9
MIPU	'ARIES 161KV'	595	-0.0452	MIPU	'SOUTH HARPER 161KV'	315	0.39792	-0.44312	10
MIPU	'LAKE ROAD 161KV'	91	-0.01587	MIPU	'SOUTH HARPER 161KV'	315	0.39792	-0.41379	10
MIPU	'NEVADA 69KV'	20.3	-0.01075	MIPU	'SOUTH HARPER 161KV'	315	0.39792	-0.40867	10
MIPU	'SIBLEY 161KV'	13.603	-0.03368	MIPU	'SOUTH HARPER 161KV'	315	0.39792	-0.4316	10
MIPU	'TWA 161KV'	32.1	-0.02461	MIPU	'SOUTH HARPER 161KV'	315	0.39792	-0.42253	10
MIPU	'RALPH GREEN 69KV'	73.7	0.07361	MIPU	'SOUTH HARPER 161KV'	315	0.39792	-0.32431	13
KACP	'HAWTHORN 161KV'	423	-0.03194	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07361	57
KACP	'NORTHEAST 13KV'	56	-0.02938	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07105	59
KACP	'NORTHEAST 13KV'	56	-0.02938	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07105	59
KACP	'NORTHEAST 13KV'	58	-0.02938	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07105	59
KACP	'NORTHEAST 13KV'	59	-0.02938	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07105	59
KACP	'NORTHEAST 161KV'	55	-0.02938	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07105	59
KACP	'NORTHEAST 161KV'	58	-0.02938	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07105	59
KACP	'NORTHEAST 161KV'	58	-0.02938	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07105	59
KACP	'NORTHEAST 161KV'	58	-0.02938	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07105	59
KACP	'GRAND AVENUE 161KV'	65	-0.02897	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07064	60
KACP	'MONTROSE 161KV'	101.4977	-0.02093	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.0626	67
KACP	'CITY OF HIGGINSVILLE 69KV'	36	-0.02043	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.0621	68
KACP	'MARSHALL 161KV'	39.1	-0.01608	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.05775	73
KACP	'BULL CREEK 161KV'	308	-0.00395	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.04562	93
KACP	'OSAWAT 5 161 161KV'	77	0.00157	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.0401	105
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	0.00157	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.0401	105
MIPU	'GREENWOOD 161KV'	247.4551	-0.04821	MIPU	'LAKE ROAD 34KV'	92	-0.01587	-0.03234	131

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1
Limiting Facility: MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
Flowgate: 57253572701567655677211107FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162649	4.0	4.9
1162701	1.0	4.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.1549	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.31908	15
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.70795	-0.08756	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.25174	20
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.1549	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06803	-0.22293	22
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.1549	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06839	-0.22329	22
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.1549	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06031	-0.21521	23
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.1549	WERE	'HUTCHINSON ENERGY CENTER 115KV'	70.5317	0.04891	-0.20381	24
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.1549	WERE	'CITY OF AUGUSTA 69KV'	19.63601	0.01225	-0.16715	29
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.1549	WERE	'EVANS ENERGY CENTER 138KV'	305	0.01447	-0.16937	29
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.1549	WERE	'GILL ENERGY CENTER 138KV'	155	0.01385	-0.16875	29
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.1549	WERE	'WACO 138KV'	17.946	0.01392	-0.16882	29
WERE	'CITY OF IOLA 69KV'	37.372	0.00202	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.16216	30
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.1549	WERE	'CITY OF WELLINGTON 69KV'	20	0.01183	-0.16673	30
WERE	'CHANUTE 69KV'	31.504	0.00296	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.16122	31
WERE	'CITY OF ERIE 69KV'	24.435	0.00296	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.16122	31
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.1549	WERE	'CHANUTE 69KV'	56.296	0.00296	-0.15786	31
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.1549	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00539	-0.16029	31
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00293	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.16125	31
WERE	'CITY OF WELLINGTON 69KV'	23.5	0.01183	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.15235	32
WERE	'CITY OF WINFIELD 69KV'	40	0.01089	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.15329	32
WERE	'CLR_3 .575 34KV'	300	0.00863	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.15555	32
WERE	'GETTY 69KV'	35	0.01245	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.15173	32
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.15555	32
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.70795	-0.08756	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06803	-0.15559	32
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.70795	-0.08756	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06839	-0.15595	32
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01447	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.14971	33
WERE	'EVANS N4 138 16KV'	360	0.01447	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.14971	33
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.01385	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.15033	33
WERE	'GILL ENERGY CENTER 69KV'	118	0.01359	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.15059	33
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.70795	-0.08756	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06031	-0.14787	33
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.70795	-0.08756	WERE	'HUTCHINSON ENERGY CENTER 115KV'	70.5317	0.04891	-0.13647	36
WERE	'LANG 7 345 345KV'	468	0.0387	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.12548	39
WERE	'SOUTH SENECA 115KV'	16.7	0.04151	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.12267	40
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.4683	0.04891	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.11527	43
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.0489	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.11528	43
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	0.05167	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.11251	44
WERE	'LANG 3 115 115KV'	360	0.05106	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.11312	44
WERE	'SMOKYHIL 230 230KV'	72	0.0512	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.11298	44
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.70795	-0.08756	WERE	'EVANS ENERGY CENTER 138KV'	305	0.01447	-0.10203	48
WERE	'CLAY CENTER JUNCTION 115KV'	30.5	0.06322	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.10096	49
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.70795	-0.08756	WERE	'CITY OF AUGUSTA 69KV'	19.63601	0.01225	-0.09981	49
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.70795	-0.08756	WERE	'GILL ENERGY CENTER 138KV'	155	0.01385	-0.10141	49
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.70795	-0.08756	WERE	'WACO 138KV'	17.946	0.01392	-0.10148	49
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.70795	-0.08756	WERE	'CITY OF WELLINGTON 69KV'	20	0.01183	-0.09939	50
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.06803	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.09615	51
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.06839	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.09579	51
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.70795	-0.08756	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00539	-0.09295	53
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.70795	-0.08756	WERE	'CHANUTE 69KV'	56.296	0.00296	-0.09052	54
WERE	'HOLTON 115KV'	19.8	0.07505	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16418	-0.08913	55
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.1549	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.2921	-0.08756	-0.06734	73
WERE	'CITY OF IOLA 69KV'	37.372	0.00202	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06839	-0.06637	74
WERE	'CHANUTE 69KV'	31.504	0.00296	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06839	-0.06543	75
WERE	'CITY OF IOLA 69KV'	37.372	0.00202	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06803	-0.06601	75
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00293	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06839	-0.06546	75
WERE	'CHANUTE 69KV'	31.504	0.00296	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06803	-0.06507	76
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00293	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06803	-0.0651	76
WERE	'CLR_3 .575 34KV'	300	0.00863	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06839	-0.05976	82
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06839	-0.05976	82

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CLR_3 .575 34KV'	300	0.00863	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06803	-0.0594	83
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06803	-0.0594	83
WERE	'CITY OF IOLA 69KV'	37.372	0.00202	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06031	-0.05829	84
WERE	'CHANUTE 69KV'	31.504	0.00296	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06031	-0.05735	86
WERE	'CITY OF WINFIELD 69KV'	40	0.01089	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06803	-0.05714	86
WERE	'CITY OF WINFIELD 69KV'	40	0.01089	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06839	-0.0575	86
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00293	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06031	-0.05738	86
WERE	'GETTY 69KV'	35	0.01245	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06839	-0.05594	88
WERE	'GETTY 69KV'	35	0.01245	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06803	-0.05558	89
WERE	'GILL ENERGY CENTER 69KV'	118	0.01359	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06803	-0.05444	90
WERE	'GILL ENERGY CENTER 69KV'	118	0.01359	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06839	-0.0548	90
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01447	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06839	-0.05392	91
WERE	'EVANS N4 138 16KV'	360	0.01447	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06839	-0.05392	91
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01447	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06803	-0.05356	92
WERE	'EVANS N4 138 16KV'	360	0.01447	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06803	-0.05356	92
WERE	'CLR_3 .575 34KV'	300	0.00863	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06031	-0.05168	95
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06031	-0.05168	95
WERE	'CITY OF WINFIELD 69KV'	40	0.01089	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06031	-0.04942	100
WERE	'GETTY 69KV'	35	0.01245	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06031	-0.04786	103
WERE	'CITY OF IOLA 69KV'	37.372	0.00202	WERE	'HUTCHINSON ENERGY CENTER 115KV'	70.5317	0.04891	-0.04689	105
WERE	'GILL ENERGY CENTER 69KV'	118	0.01359	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06031	-0.04672	105
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01447	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06031	-0.04584	107
WERE	'EVANS N4 138 16KV'	360	0.01447	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06031	-0.04584	107
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00293	WERE	'HUTCHINSON ENERGY CENTER 115KV'	70.5317	0.04891	-0.04598	107
WERE	'CLR_3 .575 34KV'	300	0.00863	WERE	'HUTCHINSON ENERGY CENTER 115KV'	70.5317	0.04891	-0.04028	122
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'HUTCHINSON ENERGY CENTER 115KV'	70.5317	0.04891	-0.04028	122
WERE	'GILL ENERGY CENTER 69KV'	118	0.01359	WERE	'HUTCHINSON ENERGY CENTER 115KV'	70.5317	0.04891	-0.03532	139
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01447	WERE	'HUTCHINSON ENERGY CENTER 115KV'	70.5317	0.04891	-0.03444	143
WERE	'EVANS N4 138 16KV'	360	0.01447	WERE	'HUTCHINSON ENERGY CENTER 115KV'	70.5317	0.04891	-0.03444	143

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2
Limiting Facility: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: HERRNT3 - RB-SNEE3 115KV CKT 1
Flowgate: 506695066815068650690114O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1161969	0.6	2.4
1162688	0.5	2.4
9999999	0.8	2.4
9999999	0.5	2.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'BLACKHAWK 115KV'	220	-0.04874	-0.55522	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'CAPROCK 115KV'	8	0.00103	-0.60499	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'CUNNINGHAM 115KV'	22	0.00062	-0.60458	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'CUNNINGHAM 230KV'	300.0488	0.00065	-0.60461	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'CZ 69KV'	35	-0.03214	-0.57182	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'HARRINGTON 230KV'	1066	-0.00612	-0.59784	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'HBSCT21 18.0 115KV'	9999	0.00062	-0.60458	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'HUBRCO2 69KV'	5	-0.04473	-0.55923	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'JONES 230KV'	486	-0.00076	-0.6032	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'LP-BRND2 69KV'	80	-0.00083	-0.60313	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'MADOX 115KV'	118	0.00062	-0.60458	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'MUSTANG 115KV'	300	0.0005	-0.60446	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'MUSTG5 118.0 230KV'	210	0.00058	-0.60454	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'NICHOLS 115KV'	82	-0.03979	-0.56417	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'PLANTX 115KV'	205	0.00064	-0.6046	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'PLANTX 230KV'	189	0.00165	-0.60561	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'SAN JUAN 230KV'	12	0.00106	-0.60502	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'SIDRCH 69KV'	14	-0.04473	-0.55923	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'STEER WATER 115KV'	8	-0.03606	-0.5679	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'TOLK 230KV'	1013.517	0.00129	-0.60525	4
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'WILWIND 230KV'	16	0.00618	-0.61014	4
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'WILWIND 230KV'	16	0.00618	-0.05178	47
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'PLANTX 230KV'	189	0.00165	-0.04725	51
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'CUNNINGHAM 115KV'	22	0.00062	-0.04622	52
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'CUNNINGHAM 230KV'	300.0488	0.00065	-0.04625	52
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'HBSCT21 18.0 115KV'	9999	0.00062	-0.04622	52
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'MADOX 115KV'	118	0.00062	-0.04622	52
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'MUSTG5 118.0 230KV'	210	0.00058	-0.04618	52
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'PLANTX 115KV'	205	0.00064	-0.04624	52
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'TOLK 230KV'	1013.517	0.00129	-0.04689	52
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'MUSTANG 115KV'	300	0.0005	-0.0461	53
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'JONES 230KV'	486	-0.00076	-0.04484	54
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'LP-BRND2 69KV'	80	-0.00083	-0.04477	54
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'PLANTX 230KV'	189	0.00165	-0.04144	58
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'TOLK 230KV'	1013.517	0.00129	-0.04108	59
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'CUNNINGHAM 115KV'	22	0.00062	-0.04041	60
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'CUNNINGHAM 230KV'	300.0488	0.00065	-0.04044	60
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'HBSCT21 18.0 115KV'	9999	0.00062	-0.04041	60
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'MADOX 115KV'	118	0.00062	-0.04041	60
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'MUSTANG 115KV'	300	0.0005	-0.04029	60
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'MUSTG5 118.0 230KV'	210	0.00058	-0.04037	60
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'PLANTX 115KV'	205	0.00064	-0.04043	60
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'HARRINGTON 230KV'	1066	-0.00612	-0.03948	61
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'JONES 230KV'	486	-0.00076	-0.03903	62
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'LP-BRND2 69KV'	80	-0.00083	-0.03896	62
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'HARRINGTON 230KV'	1066	-0.00612	-0.03367	72

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2
Limiting Facility: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Direction: From->To
Line Outage: HERRNT3 - RB-SNEE3 115KV CKT 1
Flowgate: 506695066815068650690114O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161969	0.6	1.1
1162688	0.3	1.1
9999999	0.3	1.1
9999999	0.3	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'WILWIND 230KV'	16	0.00618	-0.05178	21
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'PLANTX 230KV'	189	0.00165	-0.04725	23
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'TOLK 230KV'	1013.309	0.00129	-0.04689	23
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'WILWIND 230KV'	16	0.00618	-0.04597	24
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'CAPROCK 115KV'	8	0.00103	-0.04663	24
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'CUNNINGHAM 115KV'	110	0.00062	-0.04622	24
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'CUNNINGHAM 115KV'	71	0.00062	-0.04622	24
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'CUNNINGHAM 230KV'	306	0.00065	-0.04625	24
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'HBSCT21 18.0 115KV'	9999	0.00062	-0.04622	24
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'MADOX 115KV'	183	0.00062	-0.04622	24
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'MUSTANG 115KV'	300	0.0005	-0.0461	24
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'MUSTG5 118.0 230KV'	360	0.00058	-0.04618	24
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'PLANTX 115KV'	253	0.00064	-0.04624	24
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'SAN JUAN 230KV'	12	0.00106	-0.04666	24
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'JONES 230KV'	486	-0.00076	-0.04484	25
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'LP-BRND2 69KV'	95.25	-0.00083	-0.04477	25
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'CUNNINGHAM 115KV'	71	0.00062	-0.04041	27
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'CUNNINGHAM 115KV'	110	0.00062	-0.04041	27
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'CUNNINGHAM 230KV'	306	0.00065	-0.04044	27
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'HBSCT21 18.0 115KV'	9999	0.00062	-0.04041	27
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'MADOX 115KV'	183	0.00062	-0.04041	27
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'MUSTANG 115KV'	300	0.0005	-0.04029	27
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'MUSTG5 118.0 230KV'	360	0.00058	-0.04037	27
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'PLANTX 115KV'	253	0.00064	-0.04043	27
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'PLANTX 230KV'	189	0.00165	-0.04144	27
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'SAN JUAN 230KV'	12	0.00106	-0.04085	27
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'TOLK 230KV'	1013.309	0.00129	-0.04108	27
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'JONES 230KV'	486	-0.00076	-0.03903	28
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'LP-BRND2 69KV'	95.25	-0.00083	-0.03896	28
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'HARRINGTON 230KV'	1066	-0.00612	-0.03948	28
SPS	'RIVERVIEW 69KV'	23	-0.0456	SPS	'NICHOLS 230KV'	147	-0.00723	-0.03837	29
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'HARRINGTON 230KV'	1066	-0.00612	-0.03367	33
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'NICHOLS 230KV'	147	-0.00723	-0.03256	34

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2
Limiting Facility: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: HERRNT3 - RB-SNEE3 115KV CKT 1
Flowgate: 506695066815068650690114O8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1125189	4.5	11.6
1161457	1.3	11.6
1161969	2.4	11.6
1162688	1.0	11.6
9999999	1.5	11.6
9999999	1.0	11.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'NICHOLS 115KV'	131	-0.0397	SPS	'PLANTX 230KV'	189	0.00171	-0.04141	281
SPS	'NICHOLS 115KV'	131	-0.0397	SPS	'TOLK 230KV'	1029.675	0.00134	-0.04104	284
SPS	'NICHOLS 115KV'	131	-0.0397	SPS	'CUNNINGHAM 230KV'	306	0.00069	-0.04039	288
SPS	'NICHOLS 115KV'	131	-0.0397	SPS	'PLANTX 115KV'	205	0.00071	-0.04041	288
SPS	'NICHOLS 115KV'	131	-0.0397	SPS	'HBSCT21 18.0 115KV'	10134	0.00066	-0.04036	289
SPS	'NICHOLS 115KV'	131	-0.0397	SPS	'HBSST11 18.0 230KV'	367	0.00067	-0.04037	289
SPS	'NICHOLS 115KV'	131	-0.0397	SPS	'MADOX 115KV'	118	0.00066	-0.04036	289
SPS	'NICHOLS 115KV'	131	-0.0397	SPS	'MUSTANG 115KV'	300	0.00054	-0.04024	289
SPS	'NICHOLS 115KV'	131	-0.0397	SPS	'MUSTG5 118.0 230KV'	360	0.00062	-0.04032	289
SPS	'NICHOLS 115KV'	131	-0.0397	SPS	'JONES 230KV'	486	-0.00075	-0.03895	299
SPS	'NICHOLS 115KV'	131	-0.0397	SPS	'HARRINGTON 230KV'	1066	-0.00603	-0.03367	346

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2
Limiting Facility: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: HERRNT3 - RIVERVIEW INTERCHANGE 115KV CKT 1
Flowgate: 506695066815068650694114O7FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161457	0.4	2.9
1161969	0.6	2.9
1162688	0.5	2.9
9999999	0.8	2.9
9999999	0.5	2.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'BLACKHAWK 115KV'	220	-0.04871	-0.55523	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'CAPROCK 115KV'	23	0.00104	-0.60498	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'CZ 69KV'	35	-0.03211	-0.57183	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'HARRINGTON 230KV'	1066	-0.0061	-0.59784	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'HBSCT21 18.0 115KV'	9999	0.00062	-0.60456	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'HUBRCO2 69KV'	5	-0.04471	-0.55923	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'JONES 230KV'	486	-0.00078	-0.60316	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'LP-BRND2 69KV'	60	-0.00085	-0.60309	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'MADOX 115KV'	118	0.00062	-0.60456	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'MUSTANG 115KV'	300	0.0005	-0.60444	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'MUSTG5 118.0 230KV'	210	0.00058	-0.60452	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'PLANTX 230KV'	50.79004	0.00166	-0.6056	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'SAN JUAN 230KV'	35	0.00107	-0.60501	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'SIDRCH 69KV'	14	-0.04471	-0.55923	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'STEER WATER 115KV'	23	-0.03603	-0.56791	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'TOLK 230KV'	997.6586	0.0013	-0.60524	5
SPS	'MOORE COUNTY 115KV'	48	-0.60394	SPS	'WILWIND 230KV'	46.08	0.0062	-0.61014	5
SPS	'RIVERVIEW 69KV'	23	-0.04557	SPS	'WILWIND 230KV'	46.08	0.0062	-0.05177	55
SPS	'RIVERVIEW 69KV'	23	-0.04557	SPS	'PLANTX 230KV'	50.79004	0.00166	-0.04723	61
SPS	'RIVERVIEW 69KV'	23	-0.04557	SPS	'TOLK 230KV'	997.6586	0.0013	-0.04687	61
SPS	'NICHOLS 115KV'	213	-0.03975	SPS	'WILWIND 230KV'	46.08	0.0062	-0.04595	62
SPS	'RIVERVIEW 69KV'	23	-0.04557	SPS	'CAPROCK 115KV'	23	0.00104	-0.04661	62
SPS	'RIVERVIEW 69KV'	23	-0.04557	SPS	'HBSCT21 18.0 115KV'	9999	0.00062	-0.04619	62
SPS	'RIVERVIEW 69KV'	23	-0.04557	SPS	'MADOX 115KV'	118	0.00062	-0.04619	62
SPS	'RIVERVIEW 69KV'	23	-0.04557	SPS	'MUSTANG 115KV'	300	0.0005	-0.04607	62
SPS	'RIVERVIEW 69KV'	23	-0.04557	SPS	'MUSTG5 118.0 230KV'	210	0.00058	-0.04615	62
SPS	'RIVERVIEW 69KV'	23	-0.04557	SPS	'SAN JUAN 230KV'	35	0.00107	-0.04664	62
SPS	'RIVERVIEW 69KV'	23	-0.04557	SPS	'JONES 230KV'	486	-0.00078	-0.04479	64
SPS	'RIVERVIEW 69KV'	23	-0.04557	SPS	'LP-BRND2 69KV'	60	-0.00085	-0.04472	64
SPS	'NICHOLS 115KV'	213	-0.03975	SPS	'PLANTX 230KV'	50.79004	0.00166	-0.04141	69
SPS	'NICHOLS 115KV'	213	-0.03975	SPS	'SAN JUAN 230KV'	35	0.00107	-0.04082	70
SPS	'NICHOLS 115KV'	213	-0.03975	SPS	'TOLK 230KV'	997.6586	0.0013	-0.04105	70
SPS	'NICHOLS 115KV'	213	-0.03975	SPS	'HBSCT21 18.0 115KV'	9999	0.00062	-0.04037	71
SPS	'NICHOLS 115KV'	213	-0.03975	SPS	'MADOX 115KV'	118	0.00062	-0.04037	71
SPS	'NICHOLS 115KV'	213	-0.03975	SPS	'MUSTANG 115KV'	300	0.0005	-0.04025	71
SPS	'NICHOLS 115KV'	213	-0.03975	SPS	'MUSTG5 118.0 230KV'	210	0.00058	-0.04033	71
SPS	'NICHOLS 115KV'	213	-0.03975	SPS	'JONES 230KV'	486	-0.00078	-0.03897	74
SPS	'NICHOLS 115KV'	213	-0.03975	SPS	'LP-BRND2 69KV'	60	-0.00085	-0.0389	74
SPS	'NICHOLS 115KV'	213	-0.03975	SPS	'HARRINGTON 230KV'	1066	-0.0061	-0.03365	85

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2
Limiting Facility: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: HERRNT3 - RIVERVIEW INTERCHANGE 115KV CKT 1
Flowgate: 506695066815068650694131O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161969	1.8	5.9
1162688	1.2	5.9
9999999	1.7	5.9
9999999	1.2	5.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'WILWIND 230KV'	159.9636	0.00618	-0.04597	128
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'PLANTX 230KV'	189	0.00165	-0.04144	142
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'TOLK 230KV'	1010.677	0.00129	-0.04108	143
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'CAPROCK 115KV'	79.98182	0.00103	-0.04082	144
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'SAN JUAN 230KV'	119.9727	0.00106	-0.04085	144
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'CUNNINGHAM 115KV'	110	0.00062	-0.04041	145
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'CUNNINGHAM 230KV'	306	0.00065	-0.04044	145
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'HBSCT21 18.0 115KV'	9999	0.00062	-0.04041	145
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'MADOX 115KV'	118	0.00062	-0.04041	145
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'PLANTX 115KV'	205	0.00064	-0.04043	145
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'MUSTANG 115KV'	300	0.0005	-0.04029	146
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'MUSTG5 118.0 230KV'	360	0.00058	-0.04037	146
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'JONES 230KV'	486	-0.00076	-0.03903	151
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'LP-BRND2 69KV'	80	-0.00083	-0.03896	151
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'HARRINGTON 230KV'	1066	-0.00612	-0.03367	175
SPS	'NICHOLS 115KV'	66.00001	-0.03979	SPS	'NICHOLS 230KV'	140.0127	-0.00723	-0.03256	180

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2
Limiting Facility: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: HERRNT3 - RIVERVIEW INTERCHANGE 115KV CKT 1
Flowgate: 506695066815068650694134O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1161969	1.8	7.5
1162688	1.6	7.5
9999999	2.6	7.5
9999999	1.6	7.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'CAPROCK 115KV'	8	0.00103	-0.60499	12
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'CUNNINGHAM 230KV'	196	0.00065	-0.60461	12
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'HBSCT21 18.0 115KV'	9999	0.00062	-0.60458	12
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'JONES 230KV'	486	-0.00076	-0.6032	12
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'LP-BRND2 69KV'	80	-0.00083	-0.60313	12
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'MADOX 115KV'	118	0.00062	-0.60458	12

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'MUSTANG 115KV'	300	0.0005	-0.60446	12
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'MUSTG5 118.0 230KV'	210	0.00058	-0.60454	12
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'PLANTX 115KV'	30	0.00064	-0.6046	12
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'PLANTX 230KV'	185.4717	0.00165	-0.60561	12
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'SAN JUAN 230KV'	12	0.00106	-0.60502	12
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'TOLK 230KV'	1033.451	0.00129	-0.60525	12
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'WILWIND 230KV'	16	0.00618	-0.61014	12
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'CZ 69KV'	35	-0.03214	-0.57182	13
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'HARRINGTON 230KV'	1066	-0.00612	-0.59784	13
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'HUBRCO2 69KV'	5	-0.04473	-0.55923	13
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'NICHOLS 115KV'	82	-0.03979	-0.56417	13
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'SIDRCH 69KV'	14	-0.04473	-0.55923	13
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'STEER WATER 115KV'	8	-0.03606	-0.5679	13
SPS	'MOORE COUNTY 115KV'	48	-0.60396	SPS	'BLACKHAWK 115KV'	220	-0.04874	-0.55522	14
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'PLANTX 230KV'	185.4717	0.00165	-0.04144	182
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'TOLK 230KV'	1033.451	0.00129	-0.04108	183
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'CUNNINGHAM 230KV'	196	0.00065	-0.04044	186
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'HBSCT21 18.0 115KV'	9999	0.00062	-0.04041	186
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'MADOX 115KV'	118	0.00062	-0.04041	186
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'MUSTG5 118.0 230KV'	210	0.00058	-0.04037	186
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'MUSTANG 115KV'	300	0.0005	-0.04029	187
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'JONES 230KV'	486	-0.00076	-0.03903	193
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'LP-BRND2 69KV'	80	-0.00083	-0.03896	193
SPS	'NICHOLS 115KV'	131	-0.03979	SPS	'HARRINGTON 230KV'	1066	-0.00612	-0.03367	224

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 5196651969152205518911210 7AP
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount
1161458	0.8	27.1
1162675	13.1	27.1
1162680	13.1	27.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MUSTANG 115KV'	104.946	-0.38666	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.64516	42
SPS	'CUNNINGHAM 115KV'	71	-0.20592	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.46442	58
SPS	'CUNNINGHAM 115KV'	110	-0.20592	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.46442	58
SPS	'MADOX 115KV'	193	-0.20586	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.46436	58
SPS	'HBSCT21 18.0 115KV'	300	-0.20268	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.46118	59
SPS	'HBSST11 18.0 230KV'	210	-0.175	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.4335	62
SPS	'CUNNINGHAM 230KV'	250	-0.17212	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.43062	63
SPS	'MUSTANG 115KV'	104.946	-0.38666	SPS	'TOLK 230KV'	1025.85	0.00813	-0.39479	69
SPS	'MUSTANG 115KV'	104.946	-0.38666	SPS	'WILWIND 230KV'	159.9636	0.00392	-0.39058	69
SPS	'MUSTANG 115KV'	104.946	-0.38666	SPS	'BLACKHAWK 115KV'	220	0.00285	-0.38951	70
SPS	'MUSTANG 115KV'	104.946	-0.38666	SPS	'CZ 69KV'	35	0.00259	-0.38925	70
SPS	'MUSTANG 115KV'	104.946	-0.38666	SPS	'HARRINGTON 230KV'	706	0.00289	-0.38955	70
SPS	'MUSTANG 115KV'	104.946	-0.38666	SPS	'STEER WATER 115KV'	79.98182	0.00268	-0.38934	70
SPS	'MUSTANG 115KV'	104.946	-0.38666	SPS	'CAPROCK 115KV'	79.98182	-0.00518	-0.38148	71
SPS	'MUSTANG 115KV'	104.946	-0.38666	SPS	'JONES 230KV'	104	-0.00539	-0.38127	71
SPS	'MUSTANG 115KV'	104.946	-0.38666	SPS	'LP-BRND2 69KV'	60	-0.00597	-0.38069	71
SPS	'MUSTANG 115KV'	104.946	-0.38666	SPS	'SAN JUAN 230KV'	119.9727	-0.03877	-0.34789	78
SPS	'LP-BRND2 69KV'	172	-0.00597	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.26447	102
SPS	'JONES 230KV'	382	-0.00539	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.26389	103
SPS	'HARRINGTON 230KV'	360	0.00289	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.25561	106
SPS	'MOORE COUNTY 115KV'	48	0.00302	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.25548	106
SPS	'NICHOLS 115KV'	213	0.00277	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.25573	106
SPS	'NICHOLS 230KV'	244	0.00286	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.25564	106
SPS	'PLANTX 115KV'	253	0.005	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.2535	107
SPS	'TOLK 230KV'	54.14975	0.00813	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.25037	108
SPS	'PLANTX 230KV'	189	0.0095	SPS	'MUSTG5 118.0 230KV'	125	0.2585	-0.249	109
SPS	'MUSTANG 115KV'	104.946	-0.38666	SPS	'CUNNINGHAM 230KV'	56	-0.17212	-0.21454	126
SPS	'CUNNINGHAM 115KV'	71	-0.20592	SPS	'TOLK 230KV'	1025.85	0.00813	-0.21405	127
SPS	'CUNNINGHAM 115KV'	110	-0.20592	SPS	'TOLK 230KV'	1025.85	0.00813	-0.21405	127
SPS	'MADOX 115KV'	193	-0.20586	SPS	'TOLK 230KV'	1025.85	0.00813	-0.21399	127
SPS	'HBSCT21 18.0 115KV'	300	-0.20268	SPS	'TOLK 230KV'	1025.85	0.00813	-0.21081	128
SPS	'CUNNINGHAM 115KV'	71	-0.20592	SPS	'WILWIND 230KV'	159.9636	0.00392	-0.20984	129
SPS	'CUNNINGHAM 115KV'	110	-0.20592	SPS	'WILWIND 230KV'	159.9636	0.00392	-0.20984	129
SPS	'MADOX 115KV'	193	-0.20586	SPS	'WILWIND 230KV'	159.9636	0.00392	-0.20978	129
SPS	'CUNNINGHAM 115KV'	71	-0.20592	SPS	'BLACKHAWK 115KV'	220	0.00285	-0.20877	130
SPS	'CUNNINGHAM 115KV'	110	-0.20592	SPS	'BLACKHAWK 115KV'	220	0.00285	-0.20877	130
SPS	'CUNNINGHAM 115KV'	71	-0.20592	SPS	'HARRINGTON 230KV'	706	0.00289	-0.20881	130
SPS	'CUNNINGHAM 115KV'	110	-0.20592	SPS	'HARRINGTON 230KV'	706	0.00289	-0.20881	130
SPS	'CUNNINGHAM 115KV'	71	-0.20592	SPS	'STEER WATER 115KV'	79.98182	0.00268	-0.2086	130
SPS	'CUNNINGHAM 115KV'	110	-0.20592	SPS	'STEER WATER 115KV'	79.98182	0.00268	-0.2086	130
SPS	'MADOX 115KV'	193	-0.20586	SPS	'BLACKHAWK 115KV'	220	0.00285	-0.20871	130
SPS	'MADOX 115KV'	193	-0.20586	SPS	'HARRINGTON 230KV'	706	0.00289	-0.20875	130
SPS	'MADOX 115KV'	193	-0.20586	SPS	'STEER WATER 115KV'	79.98182	0.00268	-0.20854	130
SPS	'HBSCT21 18.0 115KV'	300	-0.20268	SPS	'WILWIND 230KV'	159.9636	0.00392	-0.2066	131
SPS	'HBSCT21 18.0 115KV'	300	-0.20268	SPS	'BLACKHAWK 115KV'	220	0.00285	-0.20553	132
SPS	'HBSCT21 18.0 115KV'	300	-0.20268	SPS	'HARRINGTON 230KV'	706	0.00289	-0.20557	132
SPS	'HBSCT21 18.0 115KV'	300	-0.20268	SPS	'STEER WATER 115KV'	79.98182	0.00268	-0.20536	132
SPS	'CUNNINGHAM 115KV'	71	-0.20592	SPS	'CAPROCK 115KV'	79.98182	-0.00518	-0.20074	135
SPS	'CUNNINGHAM 115KV'	110	-0.20592	SPS	'CAPROCK 115KV'	79.98182	-0.00518	-0.20074	135
SPS	'CUNNINGHAM 115KV'	71	-0.20592	SPS	'JONES 230KV'	104	-0.00539	-0.20053	135
SPS	'CUNNINGHAM 115KV'	110	-0.20592	SPS	'JONES 230KV'	104	-0.00539	-0.20053	135
SPS	'CUNNINGHAM 115KV'	71	-0.20592	SPS	'LP-BRND2 69KV'	60	-0.00597	-0.19995	135
SPS	'CUNNINGHAM 115KV'	110	-0.20592	SPS	'LP-BRND2 69KV'	60	-0.00597	-0.19995	135
SPS	'MADOX 115KV'	193	-0.20586	SPS	'CAPROCK 115KV'	79.98182	-0.00518	-0.20068	135
SPS	'MADOX 115KV'	193	-0.20586	SPS	'JONES 230KV'	104	-0.00539	-0.20047	135
SPS	'MADOX 115KV'	193	-0.20586	SPS	'LP-BRND2 69KV'	60	-0.00597	-0.19989	135
SPS	'HBSCT21 18.0 115KV'	300	-0.20268	SPS	'CAPROCK 115KV'	79.98182	-0.00518	-0.1975	137
SPS	'HBSCT21 18.0 115KV'	300	-0.20268	SPS	'JONES 230KV'	104	-0.00539	-0.19729	137
SPS	'HBSCT21 18.0 115KV'	300	-0.20268	SPS	'LP-BRND2 69KV'	60	-0.00597	-0.19671	138

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'MUSTANG 115KV'	104.946	-0.38666	SPS	'HBSCT21 18.0 115KV'	9999	-0.20268	-0.18398	147
SPS	'HBSST11 18.0 230KV'	210	-0.175	SPS	'TOLK 230KV'	1025.85	0.00813	-0.18313	148
SPS	'CUNNINGHAM 230KV'	250	-0.17212	SPS	'TOLK 230KV'	1025.85	0.00813	-0.18025	150
SPS	'HBSST11 18.0 230KV'	210	-0.175	SPS	'WILWIND 230KV'	159.9636	0.00392	-0.17892	151
SPS	'HBSST11 18.0 230KV'	210	-0.175	SPS	'BLACKHAWK 115KV'	220	0.00285	-0.17785	152
SPS	'HBSST11 18.0 230KV'	210	-0.175	SPS	'HARRINGTON 230KV'	706	0.00289	-0.17789	152
SPS	'HBSST11 18.0 230KV'	210	-0.175	SPS	'STEER WATER 115KV'	79.98182	0.00268	-0.17768	152
SPS	'CUNNINGHAM 230KV'	250	-0.17212	SPS	'WILWIND 230KV'	159.9636	0.00392	-0.17604	154
SPS	'CUNNINGHAM 230KV'	250	-0.17212	SPS	'BLACKHAWK 115KV'	220	0.00285	-0.17497	155
SPS	'CUNNINGHAM 230KV'	250	-0.17212	SPS	'HARRINGTON 230KV'	706	0.00289	-0.17501	155
SPS	'CUNNINGHAM 230KV'	250	-0.17212	SPS	'STEER WATER 115KV'	79.98182	0.00268	-0.1748	155
SPS	'HBSST11 18.0 230KV'	210	-0.175	SPS	'CAPROCK 115KV'	79.98182	-0.00518	-0.16982	159
SPS	'HBSST11 18.0 230KV'	210	-0.175	SPS	'JONES 230KV'	104	-0.00539	-0.16961	160
SPS	'HBSST11 18.0 230KV'	210	-0.175	SPS	'LP-BRND2 69KV'	60	-0.00597	-0.16903	160
SPS	'CUNNINGHAM 115KV'	71	-0.20592	SPS	'SAN JUAN 230KV'	119.9727	-0.03877	-0.16715	162
SPS	'CUNNINGHAM 115KV'	110	-0.20592	SPS	'SAN JUAN 230KV'	119.9727	-0.03877	-0.16715	162
SPS	'CUNNINGHAM 230KV'	250	-0.17212	SPS	'CAPROCK 115KV'	79.98182	-0.00518	-0.16694	162
SPS	'CUNNINGHAM 230KV'	250	-0.17212	SPS	'JONES 230KV'	104	-0.00539	-0.16673	162
SPS	'MADOX 115KV'	193	-0.20586	SPS	'SAN JUAN 230KV'	119.9727	-0.03877	-0.16709	162
SPS	'CUNNINGHAM 230KV'	250	-0.17212	SPS	'LP-BRND2 69KV'	60	-0.00597	-0.16615	163
SPS	'HBSCT21 18.0 115KV'	300	-0.20268	SPS	'SAN JUAN 230KV'	119.9727	-0.03877	-0.16391	165
SPS	'HBSST11 18.0 230KV'	210	-0.175	SPS	'SAN JUAN 230KV'	119.9727	-0.03877	-0.13623	199
SPS	'CUNNINGHAM 230KV'	250	-0.17212	SPS	'SAN JUAN 230KV'	119.9727	-0.03877	-0.13335	203

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 51966519691522055189112407WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	9.8	42.8
1162675	9.4	42.8
1162677	14.1	42.8
1162680	9.4	42.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MUSTANG 115KV'	29	-0.38663	SPS	'MUSTG5 118.0 230KV'	210	0.25852	-0.64515	66
SPS	'CUNNINGHAM 115KV'	71	-0.20591	SPS	'MUSTG5 118.0 230KV'	210	0.25852	-0.46443	92
SPS	'CUNNINGHAM 115KV'	110	-0.20591	SPS	'MUSTG5 118.0 230KV'	210	0.25852	-0.46443	92
SPS	'MADOX 115KV'	193	-0.20585	SPS	'MUSTG5 118.0 230KV'	210	0.25852	-0.46437	92
SPS	'HBSCT21 18.0 115KV'	300	-0.20266	SPS	'MUSTG5 118.0 230KV'	210	0.25852	-0.46118	93
SPS	'CUNNINGHAM 230KV'	175.4668	-0.17211	SPS	'MUSTG5 118.0 230KV'	210	0.25852	-0.43063	99
SPS	'HBSST11 18.0 230KV'	210	-0.17499	SPS	'MUSTG5 118.0 230KV'	210	0.25852	-0.43351	99
SPS	'JONES 230KV'	434	-0.00524	SPS	'MUSTG5 118.0 230KV'	210	0.25852	-0.26376	162
SPS	'LP-BRND2 69KV'	172	-0.00581	SPS	'MUSTG5 118.0 230KV'	210	0.25852	-0.26433	162
SPS	'NICHOLS 115KV'	213	0.00268	SPS	'MUSTG5 118.0 230KV'	210	0.25852	-0.25584	167
SPS	'NICHOLS 230KV'	244	0.00278	SPS	'MUSTG5 118.0 230KV'	210	0.25852	-0.25574	167
SPS	'PLANTX 115KV'	253	0.00479	SPS	'MUSTG5 118.0 230KV'	210	0.25852	-0.25373	169
SPS	'PLANTX 230KV'	189	0.00944	SPS	'MUSTG5 118.0 230KV'	210	0.25852	-0.24908	172
SPS	'CUNNINGHAM 115KV'	71	-0.20591	SPS	'TOLK 230KV'	1060.16	0.00808	-0.21399	200
SPS	'CUNNINGHAM 115KV'	110	-0.20591	SPS	'TOLK 230KV'	1060.16	0.00808	-0.21399	200
SPS	'MADOX 115KV'	193	-0.20585	SPS	'TOLK 230KV'	1060.16	0.00808	-0.21393	200
SPS	'HBSCT21 18.0 115KV'	300	-0.20266	SPS	'TOLK 230KV'	1060.16	0.00808	-0.21074	203
SPS	'CUNNINGHAM 115KV'	71	-0.20591	SPS	'BLACKHAWK 115KV'	220	0.00277	-0.20868	205
SPS	'CUNNINGHAM 115KV'	110	-0.20591	SPS	'BLACKHAWK 115KV'	220	0.00277	-0.20868	205
SPS	'CUNNINGHAM 115KV'	71	-0.20591	SPS	'HARRINGTON 230KV'	1066	0.00281	-0.20872	205
SPS	'CUNNINGHAM 115KV'	110	-0.20591	SPS	'HARRINGTON 230KV'	1066	0.00281	-0.20872	205
SPS	'MADOX 115KV'	193	-0.20585	SPS	'BLACKHAWK 115KV'	220	0.00277	-0.20862	205
SPS	'MADOX 115KV'	193	-0.20585	SPS	'HARRINGTON 230KV'	1066	0.00281	-0.20866	205
SPS	'HBSCT21 18.0 115KV'	300	-0.20266	SPS	'BLACKHAWK 115KV'	220	0.00277	-0.20543	208
SPS	'HBSCT21 18.0 115KV'	300	-0.20266	SPS	'HARRINGTON 230KV'	1066	0.00281	-0.20547	208
SPS	'HBSST11 18.0 230KV'	210	-0.17499	SPS	'TOLK 230KV'	1060.16	0.00808	-0.18307	234
SPS	'CUNNINGHAM 230KV'	175.4668	-0.17211	SPS	'TOLK 230KV'	1060.16	0.00808	-0.18019	237
SPS	'HBSST11 18.0 230KV'	210	-0.17499	SPS	'BLACKHAWK 115KV'	220	0.00277	-0.17776	241
SPS	'HBSST11 18.0 230KV'	210	-0.17499	SPS	'HARRINGTON 230KV'	1066	0.00281	-0.1778	241
SPS	'CUNNINGHAM 230KV'	175.4668	-0.17211	SPS	'HARRINGTON 230KV'	1066	0.00281	-0.17492	244
SPS	'CUNNINGHAM 230KV'	175.4668	-0.17211	SPS	'BLACKHAWK 115KV'	220	0.00277	-0.17488	245

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51971 1
Flowgate: 51966519691GEN5197114107SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1162087	4.0	11.5
1162675	3.8	11.5
1162680	3.8	11.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'MUSTG5 118.0 230KV'	210	0.21219	-0.31578	37
SPS	'CUNNINGHAM 115KV'	110	-0.10359	SPS	'MUSTG5 118.0 230KV'	210	0.21219	-0.31578	37
SPS	'MADOX 115KV'	75	-0.10093	SPS	'MUSTG5 118.0 230KV'	210	0.21219	-0.31312	37
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'MUSTG5 118.0 230KV'	210	0.21219	-0.306	38
SPS	'CARLSBAD 69KV'	18	-0.04378	SPS	'MUSTG5 118.0 230KV'	210	0.21219	-0.25597	45
SPS	'CUNNINGHAM 230KV'	110	-0.04067	SPS	'MUSTG5 118.0 230KV'	210	0.21219	-0.25286	46
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'MUSTG5 118.0 230KV'	210	0.21219	-0.25183	46
SPS	'LP-BRND2 69KV'	152	-0.00851	SPS	'MUSTG5 118.0 230KV'	210	0.21219	-0.2207	52

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'MOORE COUNTY 115KV'	48	0.00374	SPS	'MUSTG5 118.0 230KV'	210	0.21219	-0.20845	55
SPS	'NICHOLS 115KV'	131	0.00346	SPS	'MUSTG5 118.0 230KV'	210	0.21219	-0.20873	55
SPS	'NICHOLS 230KV'	244	0.00355	SPS	'MUSTG5 118.0 230KV'	210	0.21219	-0.20864	55
SPS	'RIVERVIEW 69KV'	23	0.00355	SPS	'MUSTG5 118.0 230KV'	210	0.21219	-0.20864	55
SPS	'PLANTX 115KV'	128.438	0.00553	SPS	'MUSTG5 118.0 230KV'	210	0.21219	-0.20666	56
SPS	'TOLK 230KV'	63.09695	0.01146	SPS	'MUSTG5 118.0 230KV'	210	0.21219	-0.20073	58
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'TOLK 230KV'	1016.903	0.01146	-0.11505	100
SPS	'CUNNINGHAM 115KV'	110	-0.10359	SPS	'TOLK 230KV'	1016.903	0.01146	-0.11505	100
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'PLANTX 230KV'	189	0.01075	-0.11434	101
SPS	'CUNNINGHAM 115KV'	110	-0.10359	SPS	'PLANTX 230KV'	189	0.01075	-0.11434	101
SPS	'MADOX 115KV'	75	-0.10093	SPS	'PLANTX 230KV'	189	0.01075	-0.11168	103
SPS	'MADOX 115KV'	75	-0.10093	SPS	'TOLK 230KV'	1016.903	0.01146	-0.11239	103
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'CAPROCK 115KV'	79.98182	0.00639	-0.10998	105
SPS	'CUNNINGHAM 115KV'	110	-0.10359	SPS	'CAPROCK 115KV'	79.98182	0.00639	-0.10998	105
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'PLANTX 115KV'	124.562	0.00553	-0.10912	106
SPS	'CUNNINGHAM 115KV'	110	-0.10359	SPS	'PLANTX 115KV'	124.562	0.00553	-0.10912	106
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'WILWIND 230KV'	159.9636	0.00492	-0.10851	106
SPS	'CUNNINGHAM 115KV'	110	-0.10359	SPS	'WILWIND 230KV'	159.9636	0.00492	-0.10851	106
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'BLACKHAWK 115KV'	220	0.00355	-0.10714	108
SPS	'CUNNINGHAM 115KV'	110	-0.10359	SPS	'BLACKHAWK 115KV'	220	0.00355	-0.10714	108
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'HARRINGTON 230KV'	1066	0.00359	-0.10718	108
SPS	'CUNNINGHAM 115KV'	110	-0.10359	SPS	'HARRINGTON 230KV'	1066	0.00359	-0.10718	108
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'NICHOLS 115KV'	82	0.00346	-0.10705	108
SPS	'CUNNINGHAM 115KV'	110	-0.10359	SPS	'NICHOLS 115KV'	82	0.00346	-0.10705	108
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'STEER WATER 115KV'	79.98182	0.00335	-0.10694	108
SPS	'CUNNINGHAM 115KV'	110	-0.10359	SPS	'STEER WATER 115KV'	79.98182	0.00335	-0.10694	108
SPS	'MADOX 115KV'	75	-0.10093	SPS	'CAPROCK 115KV'	79.98182	0.00639	-0.10732	108
SPS	'MADOX 115KV'	75	-0.10093	SPS	'PLANTX 115KV'	124.562	0.00553	-0.10646	108
SPS	'MADOX 115KV'	75	-0.10093	SPS	'WILWIND 230KV'	159.9636	0.00492	-0.10585	109
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'PLANTX 230KV'	189	0.01075	-0.10456	110
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'TOLK 230KV'	1016.903	0.01146	-0.10527	110
SPS	'MADOX 115KV'	75	-0.10093	SPS	'BLACKHAWK 115KV'	220	0.00355	-0.10448	110
SPS	'MADOX 115KV'	75	-0.10093	SPS	'HARRINGTON 230KV'	1066	0.00359	-0.10452	110
SPS	'MADOX 115KV'	75	-0.10093	SPS	'NICHOLS 115KV'	82	0.00346	-0.10439	111
SPS	'MADOX 115KV'	75	-0.10093	SPS	'STEER WATER 115KV'	79.98182	0.00335	-0.10428	111
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'CAPROCK 115KV'	79.98182	0.00639	-0.1002	115
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'SAN JUAN 230KV'	119.9727	-0.00421	-0.09938	116
SPS	'CUNNINGHAM 115KV'	110	-0.10359	SPS	'SAN JUAN 230KV'	119.9727	-0.00421	-0.09938	116
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'PLANTX 115KV'	124.562	0.00553	-0.09934	116
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'WILWIND 230KV'	159.9636	0.00492	-0.09873	117
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'BLACKHAWK 115KV'	220	0.00355	-0.09736	119
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'HARRINGTON 230KV'	1066	0.00359	-0.0974	119
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'NICHOLS 115KV'	82	0.00346	-0.09727	119
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'STEER WATER 115KV'	79.98182	0.00335	-0.09716	119
SPS	'MADOX 115KV'	75	-0.10093	SPS	'SAN JUAN 230KV'	119.9727	-0.00421	-0.09672	119
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'JONES 230KV'	486	-0.00772	-0.09587	120
SPS	'CUNNINGHAM 115KV'	110	-0.10359	SPS	'JONES 230KV'	486	-0.00772	-0.09587	120
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'LP-BRND2 69KV'	80	-0.00851	-0.09508	121
SPS	'CUNNINGHAM 115KV'	110	-0.10359	SPS	'LP-BRND2 69KV'	80	-0.00851	-0.09508	121
SPS	'MADOX 115KV'	75	-0.10093	SPS	'JONES 230KV'	486	-0.00772	-0.09321	124
SPS	'MADOX 115KV'	75	-0.10093	SPS	'LP-BRND2 69KV'	80	-0.00851	-0.09242	125
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'SAN JUAN 230KV'	119.9727	-0.00421	-0.0896	129
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'JONES 230KV'	486	-0.00772	-0.08609	134
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'LP-BRND2 69KV'	80	-0.00851	-0.0853	135
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'CUNNINGHAM 230KV'	196	-0.04067	-0.06292	183
SPS	'CUNNINGHAM 115KV'	110	-0.10359	SPS	'CUNNINGHAM 230KV'	196	-0.04067	-0.06292	183
SPS	'MADOX 115KV'	75	-0.10093	SPS	'CUNNINGHAM 230KV'	196	-0.04067	-0.06026	192
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'CUNNINGHAM 230KV'	196	-0.04067	-0.05314	217
SPS	'CUNNINGHAM 230KV'	110	-0.04067	SPS	'TOLK 230KV'	1016.903	0.01146	-0.05213	221
SPS	'CUNNINGHAM 230KV'	110	-0.04067	SPS	'PLANTX 230KV'	189	0.01075	-0.05142	225
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'TOLK 230KV'	1016.903	0.01146	-0.0511	226
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'PLANTX 230KV'	189	0.01075	-0.05039	229
SPS	'CUNNINGHAM 230KV'	110	-0.04067	SPS	'PLANTX 115KV'	124.562	0.00553	-0.0462	250
SPS	'CUNNINGHAM 230KV'	110	-0.04067	SPS	'WILWIND 230KV'	159.9636	0.00492	-0.04559	253
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'PLANTX 115KV'	124.562	0.00553	-0.04517	256
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'WILWIND 230KV'	159.9636	0.00492	-0.04456	259
SPS	'CUNNINGHAM 230KV'	110	-0.04067	SPS	'BLACKHAWK 115KV'	220	0.00355	-0.04422	261
SPS	'CUNNINGHAM 230KV'	110	-0.04067	SPS	'HARRINGTON 230KV'	1066	0.00359	-0.04426	261
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'BLACKHAWK 115KV'	220	0.00355	-0.04319	267
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'HARRINGTON 230KV'	1066	0.00359	-0.04323	267
SPS	'CUNNINGHAM 230KV'	110	-0.04067	SPS	'SAN JUAN 230KV'	119.9727	-0.00421	-0.03646	317
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'SAN JUAN 230KV'	119.9727	-0.00421	-0.03543	326
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'JONES 230KV'	486	-0.00772	-0.03192	362

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51971 1
Flowgate: 51966519691GEN5197114107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	4.5	13.1
1162675	4.3	13.1
1162680	4.3	13.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'MUSTG5 118.0 230KV'	360	0.21219	-0.31578	41
SPS	'MADOX 115KV'	75	-0.10093	SPS	'MUSTG5 118.0 230KV'	360	0.21219	-0.31312	42
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'MUSTG5 118.0 230KV'	360	0.21219	-0.306	43
SPS	'CARLSBAD 69KV'	18	-0.04378	SPS	'MUSTG5 118.0 230KV'	360	0.21219	-0.25597	51
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'MUSTG5 118.0 230KV'	360	0.21219	-0.25183	52
SPS	'LP-BRND2 69KV'	152	-0.00851	SPS	'MUSTG5 118.0 230KV'	360	0.21219	-0.2207	59
SPS	'NICHOLS 115KV'	66.00001	0.00346	SPS	'MUSTG5 118.0 230KV'	360	0.21219	-0.20873	63
SPS	'NICHOLS 230KV'	101.686	0.00355	SPS	'MUSTG5 118.0 230KV'	360	0.21219	-0.20864	63
SPS	'PLANTX 115KV'	48	0.00553	SPS	'MUSTG5 118.0 230KV'	360	0.21219	-0.20666	63
SPS	'RIVERVIEW 69KV'	23	0.00355	SPS	'MUSTG5 118.0 230KV'	360	0.21219	-0.20864	63

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'TOLK 230KV'	71.23846	0.01146	SPS	'MUSTG5 118.0 230KV'	360	0.21219	-0.20073	65
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'TOLK 230KV'	1008.762	0.01146	-0.11505	114
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'PLANTX 230KV'	189	0.01075	-0.11434	115
SPS	'MADOX 115KV'	75	-0.10093	SPS	'PLANTX 230KV'	189	0.01075	-0.11168	117
SPS	'MADOX 115KV'	75	-0.10093	SPS	'TOLK 230KV'	1008.762	0.01146	-0.11239	117
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'CAPROCK 115KV'	79.98182	0.00639	-0.10998	119
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'PLANTX 115KV'	205	0.00553	-0.10912	120
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'WILWIND 230KV'	159.9636	0.00492	-0.10851	121
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'BLACKHAWK 115KV'	220	0.00355	-0.10714	122
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'HARRINGTON 230KV'	1066	0.00359	-0.10718	122
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'MOORE COUNTY 115KV'	48	0.00374	-0.10733	122
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'NICHOLS 115KV'	147	0.00346	-0.10705	122
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'NICHOLS 230KV'	142.314	0.00355	-0.10714	122
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'STEER WATER 115KV'	79.98182	0.00335	-0.10694	122
SPS	'MADOX 115KV'	75	-0.10093	SPS	'CAPROCK 115KV'	79.98182	0.00639	-0.10732	122
SPS	'MADOX 115KV'	75	-0.10093	SPS	'PLANTX 115KV'	205	0.00553	-0.10646	123
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'TOLK 230KV'	1008.762	0.01146	-0.10527	124
SPS	'MADOX 115KV'	75	-0.10093	SPS	'WILWIND 230KV'	159.9636	0.00492	-0.10585	124
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'PLANTX 230KV'	189	0.01075	-0.10456	125
SPS	'MADOX 115KV'	75	-0.10093	SPS	'BLACKHAWK 115KV'	220	0.00355	-0.10448	125
SPS	'MADOX 115KV'	75	-0.10093	SPS	'HARRINGTON 230KV'	1066	0.00359	-0.10452	125
SPS	'MADOX 115KV'	75	-0.10093	SPS	'MOORE COUNTY 115KV'	48	0.00374	-0.10467	125
SPS	'MADOX 115KV'	75	-0.10093	SPS	'NICHOLS 115KV'	147	0.00346	-0.10439	125
SPS	'MADOX 115KV'	75	-0.10093	SPS	'NICHOLS 230KV'	142.314	0.00355	-0.10448	125
SPS	'MADOX 115KV'	75	-0.10093	SPS	'STEER WATER 115KV'	79.98182	0.00335	-0.10428	126
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'CAPROCK 115KV'	79.98182	0.00639	-0.1002	131
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'SAN JUAN 230KV'	119.9727	-0.00421	-0.09938	132
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'PLANTX 115KV'	205	0.00553	-0.09934	132
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'WILWIND 230KV'	159.9636	0.00492	-0.09873	133
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'BLACKHAWK 115KV'	220	0.00355	-0.09736	134
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'HARRINGTON 230KV'	1066	0.00359	-0.0974	134
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'MOORE COUNTY 115KV'	48	0.00374	-0.09755	134
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'NICHOLS 230KV'	142.314	0.00355	-0.09736	134
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'NICHOLS 115KV'	147	0.00346	-0.09727	135
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'STEER WATER 115KV'	79.98182	0.00335	-0.09716	135
SPS	'MADOX 115KV'	75	-0.10093	SPS	'SAN JUAN 230KV'	119.9727	-0.00421	-0.09672	135
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'JONES 230KV'	486	-0.00772	-0.09587	137
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'LP-BRND2 69KV'	80	-0.00851	-0.09508	138
SPS	'MADOX 115KV'	75	-0.10093	SPS	'JONES 230KV'	486	-0.00772	-0.09321	140
SPS	'MADOX 115KV'	75	-0.10093	SPS	'LP-BRND2 69KV'	80	-0.00851	-0.09242	142
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'SAN JUAN 230KV'	119.9727	-0.00421	-0.0896	146
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'JONES 230KV'	486	-0.00772	-0.08609	152
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'LP-BRND2 69KV'	80	-0.00851	-0.0853	154
SPS	'CUNNINGHAM 115KV'	71	-0.10359	SPS	'CUNNINGHAM 230KV'	306	-0.04067	-0.06292	208
SPS	'MADOX 115KV'	75	-0.10093	SPS	'CUNNINGHAM 230KV'	306	-0.04067	-0.06026	217
SPS	'HBSCT21 18.0 115KV'	300	-0.09381	SPS	'CUNNINGHAM 230KV'	306	-0.04067	-0.05314	246
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'TOLK 230KV'	1008.762	0.01146	-0.0511	256
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'PLANTX 230KV'	189	0.01075	-0.05039	260
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'PLANTX 115KV'	205	0.00553	-0.04517	290
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'WILWIND 230KV'	159.9636	0.00492	-0.04456	294
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'BLACKHAWK 115KV'	220	0.00355	-0.04319	303
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'HARRINGTON 230KV'	1066	0.00359	-0.04323	303
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'NICHOLS 230KV'	142.314	0.00355	-0.04319	303
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'NICHOLS 115KV'	147	0.00346	-0.0431	304
SPS	'HBSST11 18.0 230KV'	210	-0.03964	SPS	'JONES 230KV'	486	-0.00772	-0.03192	410

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Mustang-San Andr-Amerada Hess 115KV
Limiting Facility: DENVER CITY INTERCHANGE N - MUSTANG STATION 115KV CKT 1
Direction: To->From
Line Outage: DENVER CITY INTERCHANGE S - MUSTANG STATION 115KV CKT 1
Flowgate: 5196051966151962519681240 7FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	1.4	4.2
1162675	1.4	4.2
1162680	1.4	4.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	71	-0.14759	SPS	'MUSTANG 115KV'	300	0.43426	-0.58185	7
SPS	'CUNNINGHAM 115KV'	110	-0.14759	SPS	'MUSTANG 115KV'	300	0.43426	-0.58185	7
SPS	'HBSCT21 18.0 115KV'	300	-0.13699	SPS	'MUSTANG 115KV'	300	0.43426	-0.57125	7
SPS	'MADOX 115KV'	193	-0.14479	SPS	'MUSTANG 115KV'	300	0.43426	-0.57905	7
SPS	'CARLSBAD 69KV'	18	-0.07561	SPS	'MUSTANG 115KV'	300	0.43426	-0.50987	8
SPS	'CUNNINGHAM 230KV'	306	-0.078	SPS	'MUSTANG 115KV'	300	0.43426	-0.51226	8
SPS	'HBSST11 18.0 230KV'	210	-0.07732	SPS	'MUSTANG 115KV'	300	0.43426	-0.51158	8
SPS	'CZ 69KV'	4	0.00112	SPS	'MUSTANG 115KV'	300	0.43426	-0.43314	10
SPS	'HUBRCO2 69KV'	6	0.00123	SPS	'MUSTANG 115KV'	300	0.43426	-0.43303	10
SPS	'JONES 230KV'	134.4058	-0.00217	SPS	'MUSTANG 115KV'	300	0.43426	-0.43643	10
SPS	'LP-BRND2 69KV'	172	-0.00247	SPS	'MUSTANG 115KV'	300	0.43426	-0.43673	10
SPS	'MOORE COUNTY 115KV'	48	0.00131	SPS	'MUSTANG 115KV'	300	0.43426	-0.43295	10
SPS	'NICHOLS 115KV'	213	0.00119	SPS	'MUSTANG 115KV'	300	0.43426	-0.43307	10
SPS	'NICHOLS 230KV'	244	0.00124	SPS	'MUSTANG 115KV'	300	0.43426	-0.43302	10
SPS	'PLANTX 115KV'	253	0.00209	SPS	'MUSTANG 115KV'	300	0.43426	-0.43217	10
SPS	'PLANTX 230KV'	189	0.00427	SPS	'MUSTANG 115KV'	300	0.43426	-0.42999	10
SPS	'RIVERVIEW 69KV'	23	0.00123	SPS	'MUSTANG 115KV'	300	0.43426	-0.43303	10
SPS	'SIDRCH 69KV'	6	0.00123	SPS	'MUSTANG 115KV'	300	0.43426	-0.43303	10
SPS	'TOLK 230KV'	46.92368	0.00358	SPS	'MUSTANG 115KV'	300	0.43426	-0.43068	10
SPS	'TUCUMCARI 115KV'	15	-0.00297	SPS	'MUSTANG 115KV'	300	0.43426	-0.43723	10
SPS	'CUNNINGHAM 115KV'	71	-0.14759	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.29919	14
SPS	'CUNNINGHAM 115KV'	110	-0.14759	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.29919	14
SPS	'MADOX 115KV'	193	-0.14479	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.29639	14
SPS	'HBSCT21 18.0 115KV'	300	-0.13699	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.28859	15
SPS	'MUSTG5 118.0 230KV'	150	0.1516	SPS	'MUSTANG 115KV'	300	0.43426	-0.28266	15
SPS	'CARLSBAD 69KV'	18	-0.07561	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.22721	18
SPS	'CUNNINGHAM 230KV'	306	-0.078	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.2296	18
SPS	'HBSST11 18.0 230KV'	210	-0.07732	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.22892	18

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'JONES 230KV'	134.4058	-0.00217	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.15377	27
SPS	'LP-BRND2 69KV'	172	-0.00247	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.15407	27
SPS	'TUCUMCARI 115KV'	15	-0.00297	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.15457	27
SPS	'CUNNINGHAM 115KV'	71	-0.14759	SPS	'BLACKHAWK 115KV'	220	0.00123	-0.14882	28
SPS	'CUNNINGHAM 115KV'	110	-0.14759	SPS	'BLACKHAWK 115KV'	220	0.00123	-0.14882	28
SPS	'CUNNINGHAM 115KV'	71	-0.14759	SPS	'CZ 69KV'	35	0.00112	-0.14871	28
SPS	'CUNNINGHAM 115KV'	110	-0.14759	SPS	'CZ 69KV'	35	0.00112	-0.14871	28
SPS	'CUNNINGHAM 115KV'	71	-0.14759	SPS	'HARRINGTON 230KV'	1066	0.00125	-0.14884	28
SPS	'CUNNINGHAM 115KV'	110	-0.14759	SPS	'HARRINGTON 230KV'	1066	0.00125	-0.14884	28
SPS	'CUNNINGHAM 115KV'	71	-0.14759	SPS	'SIDRCH 69KV'	14	0.00123	-0.14882	28
SPS	'CUNNINGHAM 115KV'	110	-0.14759	SPS	'SIDRCH 69KV'	14	0.00123	-0.14882	28
SPS	'CUNNINGHAM 115KV'	71	-0.14759	SPS	'STEER WATER 115KV'	23	0.00115	-0.14874	28
SPS	'CUNNINGHAM 115KV'	110	-0.14759	SPS	'STEER WATER 115KV'	23	0.00115	-0.14874	28
SPS	'CUNNINGHAM 115KV'	71	-0.14759	SPS	'TOLK 230KV'	1033.076	0.00358	-0.15117	28
SPS	'CUNNINGHAM 115KV'	110	-0.14759	SPS	'TOLK 230KV'	1033.076	0.00358	-0.15117	28
SPS	'CUNNINGHAM 115KV'	71	-0.14759	SPS	'WILWIND 230KV'	46.08	0.0017	-0.14929	28
SPS	'CUNNINGHAM 115KV'	110	-0.14759	SPS	'WILWIND 230KV'	46.08	0.0017	-0.14929	28
SPS	'MADOX 115KV'	193	-0.14479	SPS	'TOLK 230KV'	1033.076	0.00358	-0.14837	28
SPS	'MOORE COUNTY 115KV'	48	0.00131	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.15029	28
SPS	'NICHOLS 115KV'	213	0.00119	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.15041	28
SPS	'NICHOLS 230KV'	244	0.00124	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.15036	28
SPS	'PLANTX 115KV'	253	0.00209	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.14951	28
SPS	'PLANTX 230KV'	189	0.00427	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.14733	28
SPS	'RIVERVIEW 69KV'	23	0.00123	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.15037	28
SPS	'TOLK 230KV'	46.92368	0.00358	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.14802	28
SPS	'CUNNINGHAM 115KV'	71	-0.14759	SPS	'CAPROCK 115KV'	23	-0.00297	-0.14462	29
SPS	'CUNNINGHAM 115KV'	110	-0.14759	SPS	'CAPROCK 115KV'	23	-0.00297	-0.14462	29
SPS	'CUNNINGHAM 115KV'	71	-0.14759	SPS	'JONES 230KV'	351.5942	-0.00217	-0.14542	29
SPS	'CUNNINGHAM 115KV'	110	-0.14759	SPS	'JONES 230KV'	351.5942	-0.00217	-0.14542	29
SPS	'CUNNINGHAM 115KV'	71	-0.14759	SPS	'LP-BRND2 69KV'	60	-0.00247	-0.14512	29
SPS	'CUNNINGHAM 115KV'	110	-0.14759	SPS	'LP-BRND2 69KV'	60	-0.00247	-0.14512	29
SPS	'MADOX 115KV'	193	-0.14479	SPS	'BLACKHAWK 115KV'	220	0.00123	-0.14602	29
SPS	'MADOX 115KV'	193	-0.14479	SPS	'CZ 69KV'	35	0.00112	-0.14591	29
SPS	'MADOX 115KV'	193	-0.14479	SPS	'HARRINGTON 230KV'	1066	0.00125	-0.14604	29
SPS	'MADOX 115KV'	193	-0.14479	SPS	'JONES 230KV'	351.5942	-0.00217	-0.14262	29
SPS	'MADOX 115KV'	193	-0.14479	SPS	'LP-BRND2 69KV'	60	-0.00247	-0.14232	29
SPS	'MADOX 115KV'	193	-0.14479	SPS	'SIDRCH 69KV'	14	0.00123	-0.14602	29
SPS	'MADOX 115KV'	193	-0.14479	SPS	'STEER WATER 115KV'	23	0.00115	-0.14594	29
SPS	'MADOX 115KV'	193	-0.14479	SPS	'WILWIND 230KV'	46.08	0.0017	-0.14649	29
SPS	'HBSCT21 18.0 115KV'	300	-0.13699	SPS	'BLACKHAWK 115KV'	220	0.00123	-0.13822	30
SPS	'HBSCT21 18.0 115KV'	300	-0.13699	SPS	'CZ 69KV'	35	0.00112	-0.13811	30
SPS	'HBSCT21 18.0 115KV'	300	-0.13699	SPS	'HARRINGTON 230KV'	1066	0.00125	-0.13824	30
SPS	'HBSCT21 18.0 115KV'	300	-0.13699	SPS	'SIDRCH 69KV'	14	0.00123	-0.13822	30
SPS	'HBSCT21 18.0 115KV'	300	-0.13699	SPS	'STEER WATER 115KV'	23	0.00115	-0.13814	30
SPS	'HBSCT21 18.0 115KV'	300	-0.13699	SPS	'TOLK 230KV'	1033.076	0.00358	-0.14057	30
SPS	'HBSCT21 18.0 115KV'	300	-0.13699	SPS	'WILWIND 230KV'	46.08	0.0017	-0.13869	30
SPS	'MADOX 115KV'	193	-0.14479	SPS	'CAPROCK 115KV'	23	-0.00297	-0.14182	30
SPS	'HBSCT21 18.0 115KV'	300	-0.13699	SPS	'CAPROCK 115KV'	23	-0.00297	-0.13402	31
SPS	'HBSCT21 18.0 115KV'	300	-0.13699	SPS	'JONES 230KV'	351.5942	-0.00217	-0.13482	31
SPS	'HBSCT21 18.0 115KV'	300	-0.13699	SPS	'LP-BRND2 69KV'	60	-0.00247	-0.13452	31
SPS	'CUNNINGHAM 115KV'	71	-0.14759	SPS	'SAN JUAN 230KV'	35	-0.01958	-0.12801	33
SPS	'CUNNINGHAM 115KV'	110	-0.14759	SPS	'SAN JUAN 230KV'	35	-0.01958	-0.12801	33
SPS	'MADOX 115KV'	193	-0.14479	SPS	'SAN JUAN 230KV'	35	-0.01958	-0.12521	33
SPS	'HBSCT21 18.0 115KV'	300	-0.13699	SPS	'SAN JUAN 230KV'	35	-0.01958	-0.11741	36
SPS	'CUNNINGHAM 230KV'	306	-0.078	SPS	'TOLK 230KV'	1033.076	0.00358	-0.08158	51
SPS	'HBSST11 18.0 230KV'	210	-0.07732	SPS	'TOLK 230KV'	1033.076	0.00358	-0.0809	52
SPS	'CARLSBAD 69KV'	18	-0.07561	SPS	'TOLK 230KV'	1033.076	0.00358	-0.07919	53
SPS	'CUNNINGHAM 230KV'	306	-0.078	SPS	'BLACKHAWK 115KV'	220	0.00123	-0.07923	53
SPS	'CUNNINGHAM 230KV'	306	-0.078	SPS	'CZ 69KV'	35	0.00112	-0.07912	53
SPS	'CUNNINGHAM 230KV'	306	-0.078	SPS	'HARRINGTON 230KV'	1066	0.00125	-0.07925	53
SPS	'CUNNINGHAM 230KV'	306	-0.078	SPS	'STEER WATER 115KV'	23	0.00115	-0.07915	53
SPS	'CUNNINGHAM 230KV'	306	-0.078	SPS	'WILWIND 230KV'	46.08	0.0017	-0.0797	53
SPS	'HBSST11 18.0 230KV'	210	-0.07732	SPS	'BLACKHAWK 115KV'	220	0.00123	-0.07855	53
SPS	'HBSST11 18.0 230KV'	210	-0.07732	SPS	'CZ 69KV'	35	0.00112	-0.07844	53
SPS	'HBSST11 18.0 230KV'	210	-0.07732	SPS	'HARRINGTON 230KV'	1066	0.00125	-0.07857	53
SPS	'HBSST11 18.0 230KV'	210	-0.07732	SPS	'STEER WATER 115KV'	23	0.00115	-0.07847	53
SPS	'HBSST11 18.0 230KV'	210	-0.07732	SPS	'WILWIND 230KV'	46.08	0.0017	-0.07902	53
SPS	'CARLSBAD 69KV'	18	-0.07561	SPS	'BLACKHAWK 115KV'	220	0.00123	-0.07684	54
SPS	'CARLSBAD 69KV'	18	-0.07561	SPS	'HARRINGTON 230KV'	1066	0.00125	-0.07686	54
SPS	'CARLSBAD 69KV'	18	-0.07561	SPS	'WILWIND 230KV'	46.08	0.0017	-0.07731	54
SPS	'CUNNINGHAM 230KV'	306	-0.078	SPS	'JONES 230KV'	351.5942	-0.00217	-0.07583	55
SPS	'CUNNINGHAM 230KV'	306	-0.078	SPS	'LP-BRND2 69KV'	60	-0.00247	-0.07553	55

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Mustang-San Andr-Amerada Hess 115KV
Limiting Facility: DENVER CITY INTERCHANGE N - MUSTANG STATION 115KV CKT 1
Direction: To->From
Line Outage: DENVER CITY INTERCHANGE S - MUSTANG STATION 115KV CKT 1
Flowgate: 519605196615196251968124O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	6.6	19.1
1162675	6.3	19.1
1162680	6.3	19.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'MUSTANG 115KV'	300	0.43424	-0.58184	33
SPS	'MADOX 115KV'	75	-0.1448	SPS	'MUSTANG 115KV'	300	0.43424	-0.57904	33
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'MUSTANG 115KV'	300	0.43424	-0.57124	34
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'MUSTANG 115KV'	300	0.43424	-0.51157	37
SPS	'CARLSBAD 69KV'	18	-0.07562	SPS	'MUSTANG 115KV'	300	0.43424	-0.50986	38
SPS	'LP-BRND2 69KV'	152	-0.00254	SPS	'MUSTANG 115KV'	300	0.43424	-0.43678	44
SPS	'NICHOLS 115KV'	71.3438	0.00123	SPS	'MUSTANG 115KV'	300	0.43424	-0.43301	44
SPS	'NICHOLS 230KV'	196	0.00127	SPS	'MUSTANG 115KV'	300	0.43424	-0.43297	44
SPS	'PLANTX 115KV'	48	0.00218	SPS	'MUSTANG 115KV'	300	0.43424	-0.43206	44
SPS	'RIVERVIEW 69KV'	23	0.00126	SPS	'MUSTANG 115KV'	300	0.43424	-0.43298	44
SPS	'TOLK 230KV'	61.08917	0.0036	SPS	'MUSTANG 115KV'	300	0.43424	-0.43064	44

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'TUCUMCARI 115KV'	15	-0.00295	SPS	'MUSTANG 115KV'	300	0.43424	-0.43719	44
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'MUSTG5 118.0 230KV'	360	0.15159	-0.29919	64
SPS	'MADOX 115KV'	75	-0.1448	SPS	'MUSTG5 118.0 230KV'	360	0.15159	-0.29639	65
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'MUSTG5 118.0 230KV'	360	0.15159	-0.28859	66
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'MUSTG5 118.0 230KV'	360	0.15159	-0.22892	84
SPS	'LP-BRND2 69KV'	152	-0.00254	SPS	'MUSTG5 118.0 230KV'	360	0.15159	-0.15413	124
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'PLANTX 230KV'	189	0.0043	-0.1519	126
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'TOLK 230KV'	1018.911	0.0036	-0.1512	127
SPS	'NICHOLS 115KV'	71.3438	0.00123	SPS	'MUSTG5 118.0 230KV'	360	0.15159	-0.15036	127
SPS	'NICHOLS 230KV'	196	0.00127	SPS	'MUSTG5 118.0 230KV'	360	0.15159	-0.15032	127
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'PLANTX 115KV'	205	0.00218	-0.14978	128
SPS	'MADOX 115KV'	75	-0.1448	SPS	'PLANTX 230KV'	189	0.0043	-0.1491	128
SPS	'PLANTX 115KV'	48	0.00218	SPS	'MUSTG5 118.0 230KV'	360	0.15159	-0.14941	128
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'BLACKHAWK 115KV'	220	0.00127	-0.14887	129
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'HARRINGTON 230KV'	1066	0.00128	-0.14888	129
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'MOORE COUNTY 115KV'	48	0.00134	-0.14894	129
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'NICHOLS 115KV'	141.6562	0.00123	-0.14883	129
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'NICHOLS 230KV'	48	0.00127	-0.14887	129
SPS	'MADOX 115KV'	75	-0.1448	SPS	'TOLK 230KV'	1018.911	0.0036	-0.1484	129
SPS	'TOLK 230KV'	61.08917	0.0036	SPS	'MUSTG5 118.0 230KV'	360	0.15159	-0.14799	129
SPS	'MADOX 115KV'	75	-0.1448	SPS	'PLANTX 115KV'	205	0.00218	-0.14698	130
SPS	'MADOX 115KV'	75	-0.1448	SPS	'BLACKHAWK 115KV'	220	0.00127	-0.14607	131
SPS	'MADOX 115KV'	75	-0.1448	SPS	'HARRINGTON 230KV'	1066	0.00128	-0.14608	131
SPS	'MADOX 115KV'	75	-0.1448	SPS	'MOORE COUNTY 115KV'	48	0.00134	-0.14614	131
SPS	'MADOX 115KV'	75	-0.1448	SPS	'NICHOLS 115KV'	141.6562	0.00123	-0.14603	131
SPS	'MADOX 115KV'	75	-0.1448	SPS	'NICHOLS 230KV'	48	0.00127	-0.14607	131
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'JONES 230KV'	486	-0.00224	-0.14536	132
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'LP-BRND2 69KV'	80	-0.00254	-0.14506	132
SPS	'MADOX 115KV'	75	-0.1448	SPS	'JONES 230KV'	486	-0.00224	-0.14256	134
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'PLANTX 230KV'	189	0.0043	-0.1413	135
SPS	'MADOX 115KV'	75	-0.1448	SPS	'LP-BRND2 69KV'	80	-0.00254	-0.14226	135
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'TOLK 230KV'	1018.911	0.0036	-0.1406	136
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'BLACKHAWK 115KV'	220	0.00127	-0.13827	138
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'HARRINGTON 230KV'	1066	0.00128	-0.13828	138
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'MOORE COUNTY 115KV'	48	0.00134	-0.13834	138
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'NICHOLS 115KV'	141.6562	0.00123	-0.13823	138
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'NICHOLS 230KV'	48	0.00127	-0.13827	138
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'PLANTX 115KV'	205	0.00218	-0.13918	138
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'JONES 230KV'	486	-0.00224	-0.13476	142
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'LP-BRND2 69KV'	80	-0.00254	-0.13446	142
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'PLANTX 230KV'	189	0.0043	-0.08163	235
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'TOLK 230KV'	1018.911	0.0036	-0.08093	237
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'PLANTX 115KV'	205	0.00218	-0.07951	241
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'BLACKHAWK 115KV'	220	0.00127	-0.0786	244
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'HARRINGTON 230KV'	1066	0.00128	-0.07861	244
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'NICHOLS 115KV'	141.6562	0.00123	-0.07856	244
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'JONES 230KV'	486	-0.00224	-0.07509	255
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'CUNNINGHAM 230KV'	306	-0.07801	-0.05899	325

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Mustang-San Andr-Amerada Hess 115KV
Limiting Facility: DENVER CITY INTERCHANGE N - MUSTANG STATION 115KV CKT 1
Direction: To->From
Line Outage: DENVER CITY INTERCHANGE S - MUSTANG STATION 115KV CKT 1
Flowgate: 5196051966151962519681340 7G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162675	5.7	11.5
1162680	5.7	11.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'MUSTANG 115KV'	300	0.43425	-0.58185	20
SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'MUSTANG 115KV'	300	0.43425	-0.58185	20
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'MUSTANG 115KV'	300	0.43425	-0.57125	20
SPS	'MADOX 115KV'	75	-0.14479	SPS	'MUSTANG 115KV'	300	0.43425	-0.57904	20
SPS	'CARLSBAD 69KV'	18	-0.07561	SPS	'MUSTANG 115KV'	300	0.43425	-0.50986	22
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'MUSTANG 115KV'	300	0.43425	-0.51158	22
SPS	'HARRINGTON 230KV'	360	0.00129	SPS	'MUSTANG 115KV'	300	0.43425	-0.43296	26
SPS	'LP-BRND2 69KV'	168	-0.00254	SPS	'MUSTANG 115KV'	300	0.43425	-0.43679	26
SPS	'MOORE COUNTY 115KV'	48	0.00134	SPS	'MUSTANG 115KV'	300	0.43425	-0.43291	26
SPS	'NICHOLS 115KV'	213	0.00123	SPS	'MUSTANG 115KV'	300	0.43425	-0.43302	26
SPS	'NICHOLS 230KV'	244	0.00127	SPS	'MUSTANG 115KV'	300	0.43425	-0.43298	26
SPS	'RIVERVIEW 69KV'	23	0.00127	SPS	'MUSTANG 115KV'	300	0.43425	-0.43298	26
SPS	'TUCUMCARI 115KV'	15	-0.00295	SPS	'MUSTANG 115KV'	300	0.43425	-0.4372	26
SPS	'PLANTX 115KV'	48	0.00219	SPS	'MUSTANG 115KV'	300	0.43425	-0.43206	27
SPS	'TOLK 230KV'	49.70807	0.00361	SPS	'MUSTANG 115KV'	300	0.43425	-0.43064	27
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.2992	38
SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.2992	38
SPS	'MADOX 115KV'	75	-0.14479	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.29639	39
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.2886	40
SPS	'MUSTG5 118.0 230KV'	150	0.1516	SPS	'MUSTANG 115KV'	300	0.43425	-0.28265	41
SPS	'CARLSBAD 69KV'	18	-0.07561	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.22721	50
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.22893	50
SPS	'LP-BRND2 69KV'	168	-0.00254	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.15414	74
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'PLANTX 230KV'	189	0.0043	-0.1519	75
SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'PLANTX 230KV'	189	0.0043	-0.1519	75
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'PLANTX 115KV'	205	0.00219	-0.14979	76
SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'PLANTX 115KV'	205	0.00219	-0.14979	76
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'TOLK 230KV'	1030.292	0.00361	-0.15121	76
SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'TOLK 230KV'	1030.292	0.00361	-0.15121	76
SPS	'HARRINGTON 230KV'	360	0.00129	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.15031	76
SPS	'MOORE COUNTY 115KV'	48	0.00134	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.15026	76
SPS	'NICHOLS 115KV'	213	0.00123	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.15037	76
SPS	'NICHOLS 230KV'	244	0.00127	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.15033	76
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'BLACKHAWK 115KV'	220	0.00127	-0.14887	77
SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'BLACKHAWK 115KV'	220	0.00127	-0.14887	77
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'CZ 69KV'	35	0.00115	-0.14875	77

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'CZ 69KV'	35	0.00115	-0.14875	77
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'HARRINGTON 230KV'	706	0.00129	-0.14889	77
SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'HARRINGTON 230KV'	706	0.00129	-0.14889	77
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'STEER WATER 115KV'	36	0.00119	-0.14879	77
SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'STEER WATER 115KV'	36	0.00119	-0.14879	77
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'WILWIND 230KV'	72	0.00174	-0.14934	77
SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'WILWIND 230KV'	72	0.00174	-0.14934	77
SPS	'MADOX 115KV'	75	-0.14479	SPS	'PLANTX 230KV'	189	0.0043	-0.14909	77
SPS	'MADOX 115KV'	75	-0.14479	SPS	'TOLK 230KV'	1030.292	0.00361	-0.1484	77
SPS	'PLANTX 115KV'	48	0.00219	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.14941	77
SPS	'TOLK 230KV'	49.70807	0.00361	SPS	'MUSTG5 118.0 230KV'	210	0.1516	-0.14799	77
SPS	'MADOX 115KV'	75	-0.14479	SPS	'BLACKHAWK 115KV'	220	0.00127	-0.14606	78
SPS	'MADOX 115KV'	75	-0.14479	SPS	'HARRINGTON 230KV'	706	0.00129	-0.14608	78
SPS	'MADOX 115KV'	75	-0.14479	SPS	'PLANTX 115KV'	205	0.00219	-0.14698	78
SPS	'MADOX 115KV'	75	-0.14479	SPS	'STEER WATER 115KV'	36	0.00119	-0.14598	78
SPS	'MADOX 115KV'	75	-0.14479	SPS	'WILWIND 230KV'	72	0.00174	-0.14653	78
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'CAPROCK 115KV'	36	-0.00295	-0.14465	79
SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'CAPROCK 115KV'	36	-0.00295	-0.14465	79
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'JONES 230KV'	486	-0.00224	-0.14536	79
SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'JONES 230KV'	486	-0.00224	-0.14536	79
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'LP-BRND2 69KV'	64	-0.00254	-0.14506	79
SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'LP-BRND2 69KV'	64	-0.00254	-0.14506	79
SPS	'MADOX 115KV'	75	-0.14479	SPS	'CZ 69KV'	35	0.00115	-0.14594	79
SPS	'MADOX 115KV'	75	-0.14479	SPS	'JONES 230KV'	486	-0.00224	-0.14255	80
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'PLANTX 230KV'	189	0.0043	-0.1413	81
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'TOLK 230KV'	1030.292	0.00361	-0.14061	81
SPS	'MADOX 115KV'	75	-0.14479	SPS	'CAPROCK 115KV'	36	-0.00295	-0.14184	81
SPS	'MADOX 115KV'	75	-0.14479	SPS	'LP-BRND2 69KV'	64	-0.00254	-0.14225	81
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'PLANTX 115KV'	205	0.00219	-0.13919	82
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'BLACKHAWK 115KV'	220	0.00127	-0.13827	83
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'CZ 69KV'	35	0.00115	-0.13815	83
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'HARRINGTON 230KV'	706	0.00129	-0.13829	83
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'STEER WATER 115KV'	36	0.00119	-0.13819	83
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'WILWIND 230KV'	72	0.00174	-0.13874	83
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'CAPROCK 115KV'	36	-0.00295	-0.13405	85
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'JONES 230KV'	486	-0.00224	-0.13476	85
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'LP-BRND2 69KV'	64	-0.00254	-0.13446	85
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'SAN JUAN 230KV'	54	-0.01956	-0.12804	89
SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'SAN JUAN 230KV'	54	-0.01956	-0.12804	89
SPS	'MADOX 115KV'	75	-0.14479	SPS	'SAN JUAN 230KV'	54	-0.01956	-0.12523	91
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'SAN JUAN 230KV'	54	-0.01956	-0.11744	98
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'PLANTX 230KV'	189	0.0043	-0.08163	140
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'TOLK 230KV'	1030.292	0.00361	-0.08094	142
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'PLANTX 115KV'	205	0.00219	-0.07952	144
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'WILWIND 230KV'	72	0.00174	-0.07907	145
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'BLACKHAWK 115KV'	220	0.00127	-0.0786	146
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'HARRINGTON 230KV'	706	0.00129	-0.07862	146
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'JONES 230KV'	486	-0.00224	-0.07509	153
SPS	'HBSST11 18.0 230KV'	210	-0.07733	SPS	'LP-BRND2 69KV'	64	-0.00254	-0.07479	153
SPS	'CUNNINGHAM 115KV'	71	-0.1476	SPS	'CUNNINGHAM 230KV'	301.4697	-0.07801	-0.06959	165
SPS	'CUNNINGHAM 115KV'	88	-0.1476	SPS	'CUNNINGHAM 230KV'	301.4697	-0.07801	-0.06959	165
SPS	'MADOX 115KV'	75	-0.14479	SPS	'CUNNINGHAM 230KV'	301.4697	-0.07801	-0.06678	172
SPS	'HBSCT21 18.0 115KV'	300	-0.137	SPS	'CUNNINGHAM 230KV'	301.4697	-0.07801	-0.05899	194

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Mustang-San Andr-Amerada Hess 115KV
Limiting Facility: DENVER CITY INTERCHANGE S - MUSTANG STATION 115KV CKT 1
Direction: To->From
Line Outage: DENVER CITY INTERCHANGE N - MUSTANG STATION 115KV CKT 1
Flowgate: 5196251968151960519661440 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	6.5	19.1
1162675	6.3	19.1
1162680	6.3	19.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	71	-0.14683	SPS	'MUSTANG 115KV'	300	0.43424	-0.58107	33
SPS	'HBSCT21 18.0 115KV'	300	-0.13659	SPS	'MUSTANG 115KV'	300	0.43424	-0.57083	33
SPS	'MADOX 115KV'	75	-0.14426	SPS	'MUSTANG 115KV'	300	0.43424	-0.5785	33
SPS	'CARLSBAD 69KV'	18	-0.07547	SPS	'MUSTANG 115KV'	300	0.43424	-0.50971	37
SPS	'HBSST11 18.0 230KV'	210	-0.07736	SPS	'MUSTANG 115KV'	300	0.43424	-0.5116	37
SPS	'LP-BRND2 69KV'	152	-0.00238	SPS	'MUSTANG 115KV'	300	0.43424	-0.43662	44
SPS	'NICHOLS 115KV'	70.8047	0.00116	SPS	'MUSTANG 115KV'	300	0.43424	-0.43308	44
SPS	'NICHOLS 230KV'	196	0.0012	SPS	'MUSTANG 115KV'	300	0.43424	-0.43304	44
SPS	'PLANTX 115KV'	48	0.00209	SPS	'MUSTANG 115KV'	300	0.43424	-0.43215	44
SPS	'RIVERVIEW 69KV'	23	0.0012	SPS	'MUSTANG 115KV'	300	0.43424	-0.43304	44
SPS	'TOLK 230KV'	60.54785	0.00339	SPS	'MUSTANG 115KV'	300	0.43424	-0.43085	44
SPS	'TUCUMCARI 115KV'	15	-0.00313	SPS	'MUSTANG 115KV'	300	0.43424	-0.43737	44
SPS	'CUNNINGHAM 115KV'	71	-0.14683	SPS	'MUSTG5 118.0 230KV'	360	0.14852	-0.29535	65
SPS	'MADOX 115KV'	75	-0.14426	SPS	'MUSTG5 118.0 230KV'	360	0.14852	-0.29278	65
SPS	'HBSCT21 18.0 115KV'	300	-0.13659	SPS	'MUSTG5 118.0 230KV'	360	0.14852	-0.28511	67
SPS	'HBSST11 18.0 230KV'	210	-0.07736	SPS	'MUSTG5 118.0 230KV'	360	0.14852	-0.22588	84
SPS	'CUNNINGHAM 115KV'	71	-0.14683	SPS	'PLANTX 230KV'	189	0.00411	-0.15094	126
SPS	'LP-BRND2 69KV'	152	-0.00238	SPS	'MUSTG5 118.0 230KV'	360	0.14852	-0.1509	126
SPS	'CUNNINGHAM 115KV'	71	-0.14683	SPS	'TOLK 230KV'	1019.452	0.00339	-0.15022	127
SPS	'CUNNINGHAM 115KV'	71	-0.14683	SPS	'PLANTX 115KV'	205	0.00209	-0.14892	128
SPS	'CUNNINGHAM 115KV'	71	-0.14683	SPS	'BLACKHAWK 115KV'	220	0.0012	-0.14803	129
SPS	'CUNNINGHAM 115KV'	71	-0.14683	SPS	'HARRINGTON 230KV'	1066	0.00122	-0.14805	129
SPS	'CUNNINGHAM 115KV'	71	-0.14683	SPS	'MOORE COUNTY 115KV'	48	0.00127	-0.1481	129
SPS	'CUNNINGHAM 115KV'	71	-0.14683	SPS	'NICHOLS 115KV'	142.1953	0.00116	-0.14799	129
SPS	'CUNNINGHAM 115KV'	71	-0.14683	SPS	'NICHOLS 230KV'	48	0.0012	-0.14803	129
SPS	'MADOX 115KV'	75	-0.14426	SPS	'PLANTX 230KV'	189	0.00411	-0.14837	129
SPS	'MADOX 115KV'	75	-0.14426	SPS	'TOLK 230KV'	1019.452	0.00339	-0.14765	129
SPS	'NICHOLS 115KV'	70.8047	0.00116	SPS	'MUSTG5 118.0 230KV'	360	0.14852	-0.14736	129
SPS	'NICHOLS 230KV'	196	0.0012	SPS	'MUSTG5 118.0 230KV'	360	0.14852	-0.14732	129
SPS	'MADOX 115KV'	75	-0.14426	SPS	'PLANTX 115KV'	205	0.00209	-0.14635	130

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'PLANTX 115KV'	48	0.00209	SPS	'MUSTG5 118.0 230KV'	360	0.14852	-0.14643	130
SPS	'MADOX 115KV'	75	-0.14426	SPS	'BLACKHAWK 115KV'	220	0.0012	-0.14546	131
SPS	'MADOX 115KV'	75	-0.14426	SPS	'HARRINGTON 230KV'	1066	0.00122	-0.14548	131
SPS	'MADOX 115KV'	75	-0.14426	SPS	'MOORE COUNTY 115KV'	48	0.00127	-0.14553	131
SPS	'MADOX 115KV'	75	-0.14426	SPS	'NICHOLS 115KV'	142.1953	0.00116	-0.14542	131
SPS	'MADOX 115KV'	75	-0.14426	SPS	'NICHOLS 230KV'	48	0.0012	-0.14546	131
SPS	'TOLK 230KV'	60.54785	0.00339	SPS	'MUSTG5 118.0 230KV'	360	0.14852	-0.14513	131
SPS	'CUNNINGHAM 115KV'	71	-0.14683	SPS	'JONES 230KV'	486	-0.00209	-0.14474	132
SPS	'CUNNINGHAM 115KV'	71	-0.14683	SPS	'LP-BRND2 69KV'	80	-0.00238	-0.14445	132
SPS	'MADOX 115KV'	75	-0.14426	SPS	'JONES 230KV'	486	-0.00209	-0.14217	134
SPS	'MADOX 115KV'	75	-0.14426	SPS	'LP-BRND2 69KV'	80	-0.00238	-0.14188	134
SPS	'HBSCT21 18.0 115KV'	300	-0.13659	SPS	'PLANTX 230KV'	189	0.00411	-0.1407	136
SPS	'HBSCT21 18.0 115KV'	300	-0.13659	SPS	'TOLK 230KV'	1019.452	0.00339	-0.13998	136
SPS	'HBSCT21 18.0 115KV'	300	-0.13659	SPS	'BLACKHAWK 115KV'	220	0.0012	-0.13779	138
SPS	'HBSCT21 18.0 115KV'	300	-0.13659	SPS	'HARRINGTON 230KV'	1066	0.00122	-0.13781	138
SPS	'HBSCT21 18.0 115KV'	300	-0.13659	SPS	'MOORE COUNTY 115KV'	48	0.00127	-0.13786	138
SPS	'HBSCT21 18.0 115KV'	300	-0.13659	SPS	'NICHOLS 115KV'	142.1953	0.00116	-0.13775	138
SPS	'HBSCT21 18.0 115KV'	300	-0.13659	SPS	'NICHOLS 230KV'	48	0.0012	-0.13779	138
SPS	'HBSCT21 18.0 115KV'	300	-0.13659	SPS	'PLANTX 115KV'	205	0.00209	-0.13868	138
SPS	'HBSCT21 18.0 115KV'	300	-0.13659	SPS	'JONES 230KV'	486	-0.00209	-0.1345	142
SPS	'HBSCT21 18.0 115KV'	300	-0.13659	SPS	'LP-BRND2 69KV'	80	-0.00238	-0.13421	142
SPS	'HBSST11 18.0 230KV'	210	-0.07736	SPS	'PLANTX 230KV'	189	0.00411	-0.08147	234
SPS	'HBSST11 18.0 230KV'	210	-0.07736	SPS	'TOLK 230KV'	1019.452	0.00339	-0.08075	236
SPS	'HBSST11 18.0 230KV'	210	-0.07736	SPS	'PLANTX 115KV'	205	0.00209	-0.07945	240
SPS	'HBSST11 18.0 230KV'	210	-0.07736	SPS	'BLACKHAWK 115KV'	220	0.0012	-0.07856	243
SPS	'HBSST11 18.0 230KV'	210	-0.07736	SPS	'HARRINGTON 230KV'	1066	0.00122	-0.07858	243
SPS	'HBSST11 18.0 230KV'	210	-0.07736	SPS	'NICHOLS 115KV'	142.1953	0.00116	-0.07852	243
SPS	'HBSST11 18.0 230KV'	210	-0.07736	SPS	'JONES 230KV'	486	-0.00209	-0.07527	253
SPS	'HBSCT21 18.0 115KV'	300	-0.13659	SPS	'CUNNINGHAM 230KV'	306	-0.07801	-0.05858	326

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: NICHOLS STATION 230/115KV TRANSFORMERS
Limiting Facility: NICHOLS STATION 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: NICHOLS STATION 230/115KV TRANSFORMER CKT 2
Flowgate: 509145091515091550914234085P
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1125189	9.1	9.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'HARRINGTON 230KV'	1066	0.03767	-0.29672	31
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'PLANTX 230KV'	110.7744	-0.00055	-0.2585	35
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'TOLK 230KV'	1037.926	-0.00103	-0.25802	35
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'WILWIND 230KV'	16	0.00354	-0.26259	35
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'CUNNINGHAM 230KV'	196	-0.00166	-0.25739	36
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'HBSCT21 18.0 115KV'	10134	-0.00168	-0.25737	36
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'HBSST11 18.0 230KV'	367	-0.00168	-0.25737	36
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'JONES 230KV'	486	-0.00277	-0.25628	36
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'LP-BRND2 69KV'	80	-0.00281	-0.25624	36
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'MADOX 115KV'	118	-0.00168	-0.25737	36
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'MUSTANG 115KV'	300	-0.00175	-0.2573	36
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'MUSTG5 118.0 230KV'	360	-0.00168	-0.25737	36
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'PLANTX 115KV'	30	-0.00281	-0.25624	36
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'SAN JUAN 230KV'	12	-0.00172	-0.25733	36
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'BLACKHAWK 115KV'	220	-0.05483	-0.20422	45
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'MOORE COUNTY 115KV'	48	-0.06121	-0.19784	46
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'SIDRCH 69KV'	20	-0.06014	-0.19891	46
SPS	'NICHOLS 115KV'	131	-0.25905	SPS	'CZ 69KV'	39	-0.12378	-0.13527	68
SPS	'LP-BRND2 69KV'	152	-0.00281	SPS	'HARRINGTON 230KV'	1066	0.03767	-0.04048	226
SPS	'PLANTX 115KV'	223	-0.00281	SPS	'HARRINGTON 230KV'	1066	0.03767	-0.04048	226
SPS	'CUNNINGHAM 115KV'	110	-0.00168	SPS	'HARRINGTON 230KV'	1066	0.03767	-0.03935	232
SPS	'CUNNINGHAM 230KV'	110	-0.00166	SPS	'HARRINGTON 230KV'	1066	0.03767	-0.03933	232
SPS	'HBSCT21 18.0 115KV'	165	-0.00168	SPS	'HARRINGTON 230KV'	1066	0.03767	-0.03935	232

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Norman Area Voltage Conversion
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW - GOLDSBY 69KV CKT 1
Flowgate: 558025609515584155924132O7FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	0.2	0.4
1165218	0.2	0.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06763	WFEC	'HUGO 138KV'	448.2273	-0.00096	-0.06667	6
WFEC	'ANADARKO 69KV'	76	-0.06763	WFEC	'ANADARKO 138KV'	24.0071	-0.02561	-0.04202	10

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Norman Area Voltage Conversion
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW - GOLDSBY 69KV CKT 1
Flowgate: 558025609515584155924132O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Reservation	Relief Amount	Aggregate Relief Amount
1165215	1.2	2.4
1165218	1.2	2.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06763	WFEC	'HUGO 138KV'	450	-0.00096	-0.06667	36
WFEC	'ANADARKO 69KV'	76	-0.06763	WFEC	'ANADARKO 138KV'	209.5604	-0.02561	-0.04202	57

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Norman Area Voltage Conversion
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW - GOLDSBY 69KV CKT 1
Flowgate: 558025609515584155924132O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	1.7	3.4
1165218	1.7	3.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06764	WFEC	'HUGO 138KV'	450	-0.00097	-0.06667	51
WFEC	'ANADARKO 69KV'	76	-0.06764	WFEC	'ANADARKO 138KV'	234.4952	-0.02562	-0.04202	81

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Norman Area Voltage Conversion
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW - GOLDSBY 69KV CKT 1
Flowgate: 558025609515584155924132O8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	1.9	3.7
1165218	1.9	3.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06756	WFEC	'HUGO 138KV'	450	-0.00098	-0.06658	56
WFEC	'ANADARKO 69KV'	76	-0.06756	WFEC	'ANADARKO 138KV'	247.3855	-0.02555	-0.04201	89

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Norman Area Voltage Conversion
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW 138/69KV TRANSFORMER CKT 1
Flowgate: 55802560951558425584111207SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1165215	1.2	2.4
1165218	1.2	2.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'HUGO 138KV'	450	-0.00353	-0.05814	41
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'ANADARKO 138KV'	217.5299	-0.02836	-0.03331	72

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Norman Area Voltage Conversion
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW 138/69KV TRANSFORMER CKT 1
Flowgate: 55802560951558425584112207WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	3.8	7.5
1165218	3.7	7.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'HUGO 138KV'	450	-0.00354	-0.05813	130
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'MORLND 138KV'	159.4701	-0.00414	-0.05753	131
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'ANADARKO 138KV'	277.6118	-0.02836	-0.03331	226

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Norman Area Voltage Conversion
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW 138/69KV TRANSFORMER CKT 1

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Flowgate: 558025609515584255841122 08WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	3.8	7.5
1165218	3.7	7.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.0616	WFEC	'HUGO 138KV'	450	-0.00354	-0.05806	130
WFEC	'ANADARKO 69KV'	76	-0.0616	WFEC	'MORLND 138KV'	173.2469	-0.00403	-0.05757	131
WFEC	'ANADARKO 69KV'	76	-0.0616	WFEC	'ANADARKO 138KV'	276.7498	-0.0283	-0.0333	226

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Norman Area Voltage Conversion
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW 138/69KV TRANSFORMER CKT 1
Flowgate: 558025609515584255841132 07G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	0.6	1.1
1165218	0.6	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06166	WFEC	'HUGO 138KV'	450	-0.00353	-0.05813	19
WFEC	'ANADARKO 69KV'	76	-0.06166	WFEC	'ANADARKO 138KV'	28.83788	-0.02835	-0.03331	34

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Potter - Roosevelt 345KV
Limiting Facility: CANYON EAST - OSAGE SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: BUSHLAND INTERCHANGE - DEAF SMITH INTERCHANGE 230KV CKT 1
Flowgate: 5108051014150993511111 1407AP
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount
1161458	0.3	0.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CARLSBAD 69KV'	18	-0.0913	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.13707	2
SPS	'CARLSBAD 69KV'	18	-0.0913	SPS	'CZ 69KV'	35	0.04526	-0.13656	2
SPS	'CARLSBAD 69KV'	18	-0.0913	SPS	'HARRINGTON 230KV'	706	0.04327	-0.13457	2
SPS	'CARLSBAD 69KV'	18	-0.0913	SPS	'HUBRCO2 69KV'	5	0.04594	-0.13724	2
SPS	'CARLSBAD 69KV'	18	-0.0913	SPS	'SIDRCH 69KV'	14	0.04594	-0.13724	2
SPS	'CARLSBAD 69KV'	18	-0.0913	SPS	'STEER WATER 115KV'	36	0.04959	-0.14089	2
SPS	'CARLSBAD 69KV'	18	-0.0913	SPS	'WILWIND 230KV'	72	0.0411	-0.1324	2
SPS	'CUNNINGHAM 115KV'	71	-0.08779	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.13356	2
SPS	'CUNNINGHAM 115KV'	110	-0.08779	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.13356	2
SPS	'CUNNINGHAM 115KV'	71	-0.08779	SPS	'CZ 69KV'	35	0.04526	-0.13305	2
SPS	'CUNNINGHAM 115KV'	110	-0.08779	SPS	'CZ 69KV'	35	0.04526	-0.13305	2
SPS	'CUNNINGHAM 115KV'	71	-0.08779	SPS	'HARRINGTON 230KV'	706	0.04327	-0.13106	2
SPS	'CUNNINGHAM 115KV'	110	-0.08779	SPS	'HARRINGTON 230KV'	706	0.04327	-0.13106	2
SPS	'CUNNINGHAM 115KV'	71	-0.08779	SPS	'HUBRCO2 69KV'	5	0.04594	-0.13373	2
SPS	'CUNNINGHAM 115KV'	110	-0.08779	SPS	'HUBRCO2 69KV'	5	0.04594	-0.13373	2
SPS	'CUNNINGHAM 115KV'	71	-0.08779	SPS	'SIDRCH 69KV'	14	0.04594	-0.13373	2
SPS	'CUNNINGHAM 115KV'	110	-0.08779	SPS	'SIDRCH 69KV'	14	0.04594	-0.13373	2
SPS	'CUNNINGHAM 115KV'	71	-0.08779	SPS	'STEER WATER 115KV'	36	0.04959	-0.13738	2
SPS	'CUNNINGHAM 115KV'	110	-0.08779	SPS	'STEER WATER 115KV'	36	0.04959	-0.13738	2
SPS	'CUNNINGHAM 115KV'	71	-0.08779	SPS	'WILWIND 230KV'	72	0.0411	-0.12889	2
SPS	'CUNNINGHAM 115KV'	110	-0.08779	SPS	'WILWIND 230KV'	72	0.0411	-0.12889	2
SPS	'CUNNINGHAM 230KV'	250	-0.08832	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.13409	2
SPS	'CUNNINGHAM 230KV'	250	-0.08832	SPS	'CZ 69KV'	35	0.04526	-0.13358	2
SPS	'CUNNINGHAM 230KV'	250	-0.08832	SPS	'HARRINGTON 230KV'	706	0.04327	-0.13159	2
SPS	'CUNNINGHAM 230KV'	250	-0.08832	SPS	'HUBRCO2 69KV'	5	0.04594	-0.13426	2
SPS	'CUNNINGHAM 230KV'	250	-0.08832	SPS	'SIDRCH 69KV'	14	0.04594	-0.13426	2
SPS	'CUNNINGHAM 230KV'	250	-0.08832	SPS	'STEER WATER 115KV'	36	0.04959	-0.13791	2
SPS	'CUNNINGHAM 230KV'	250	-0.08832	SPS	'WILWIND 230KV'	72	0.0411	-0.12942	2
SPS	'HBSCT21 18.0 115KV'	300	-0.08769	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.13346	2
SPS	'HBSCT21 18.0 115KV'	300	-0.08769	SPS	'CZ 69KV'	35	0.04526	-0.13295	2
SPS	'HBSCT21 18.0 115KV'	300	-0.08769	SPS	'HARRINGTON 230KV'	706	0.04327	-0.13096	2
SPS	'HBSCT21 18.0 115KV'	300	-0.08769	SPS	'HUBRCO2 69KV'	5	0.04594	-0.13363	2
SPS	'HBSCT21 18.0 115KV'	300	-0.08769	SPS	'SIDRCH 69KV'	14	0.04594	-0.13363	2
SPS	'HBSCT21 18.0 115KV'	300	-0.08769	SPS	'STEER WATER 115KV'	36	0.04959	-0.13728	2
SPS	'HBSCT21 18.0 115KV'	300	-0.08769	SPS	'WILWIND 230KV'	72	0.0411	-0.12879	2
SPS	'HBSST11 18.0 230KV'	210	-0.08788	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.13365	2
SPS	'HBSST11 18.0 230KV'	210	-0.08788	SPS	'CZ 69KV'	35	0.04526	-0.13314	2
SPS	'HBSST11 18.0 230KV'	210	-0.08788	SPS	'HARRINGTON 230KV'	706	0.04327	-0.13115	2
SPS	'HBSST11 18.0 230KV'	210	-0.08788	SPS	'HUBRCO2 69KV'	5	0.04594	-0.13382	2
SPS	'HBSST11 18.0 230KV'	210	-0.08788	SPS	'SIDRCH 69KV'	14	0.04594	-0.13382	2
SPS	'HBSST11 18.0 230KV'	210	-0.08788	SPS	'STEER WATER 115KV'	36	0.04959	-0.13747	2
SPS	'HBSST11 18.0 230KV'	210	-0.08788	SPS	'WILWIND 230KV'	72	0.0411	-0.12898	2
SPS	'MADOX 115KV'	193	-0.08769	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.13346	2
SPS	'MADOX 115KV'	193	-0.08769	SPS	'CZ 69KV'	35	0.04526	-0.13295	2
SPS	'MADOX 115KV'	193	-0.08769	SPS	'HARRINGTON 230KV'	706	0.04327	-0.13096	2
SPS	'MADOX 115KV'	193	-0.08769	SPS	'HUBRCO2 69KV'	5	0.04594	-0.13363	2
SPS	'MADOX 115KV'	193	-0.08769	SPS	'SIDRCH 69KV'	14	0.04594	-0.13363	2
SPS	'MADOX 115KV'	193	-0.08769	SPS	'STEER WATER 115KV'	36	0.04959	-0.13728	2
SPS	'MADOX 115KV'	193	-0.08769	SPS	'WILWIND 230KV'	72	0.0411	-0.12879	2
SPS	'MUSTANG 115KV'	149.4316	-0.08526	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.13103	2
SPS	'MUSTANG 115KV'	149.4316	-0.08526	SPS	'CZ 69KV'	35	0.04526	-0.13052	2

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'MUSTANG 115KV'	149.4316	-0.08526	SPS	'HARRINGTON 230KV'	706	0.04327	-0.12853	2
SPS	'MUSTANG 115KV'	149.4316	-0.08526	SPS	'HUBRCO2 69KV'	5	0.04594	-0.1312	2
SPS	'MUSTANG 115KV'	149.4316	-0.08526	SPS	'SIDRCH 69KV'	14	0.04594	-0.1312	2
SPS	'MUSTANG 115KV'	149.4316	-0.08526	SPS	'STEER WATER 115KV'	36	0.04959	-0.13485	2
SPS	'MUSTANG 115KV'	149.4316	-0.08526	SPS	'WILWIND 230KV'	72	0.0411	-0.12636	2
SPS	'MUSTG5 118.0 230KV'	235	-0.08622	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.13199	2
SPS	'MUSTG5 118.0 230KV'	235	-0.08622	SPS	'CZ 69KV'	35	0.04526	-0.13148	2
SPS	'MUSTG5 118.0 230KV'	235	-0.08622	SPS	'HARRINGTON 230KV'	706	0.04327	-0.12949	2
SPS	'MUSTG5 118.0 230KV'	235	-0.08622	SPS	'HUBRCO2 69KV'	5	0.04594	-0.13216	2
SPS	'MUSTG5 118.0 230KV'	235	-0.08622	SPS	'SIDRCH 69KV'	14	0.04594	-0.13216	2
SPS	'MUSTG5 118.0 230KV'	235	-0.08622	SPS	'STEER WATER 115KV'	36	0.04959	-0.13581	2
SPS	'MUSTG5 118.0 230KV'	235	-0.08622	SPS	'WILWIND 230KV'	72	0.0411	-0.12732	2
SPS	'PLANTX 115KV'	253	-0.10265	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.14842	2
SPS	'PLANTX 115KV'	253	-0.10265	SPS	'CZ 69KV'	35	0.04526	-0.14791	2
SPS	'PLANTX 115KV'	253	-0.10265	SPS	'HARRINGTON 230KV'	706	0.04327	-0.14592	2
SPS	'PLANTX 115KV'	253	-0.10265	SPS	'HUBRCO2 69KV'	5	0.04594	-0.14859	2
SPS	'PLANTX 115KV'	253	-0.10265	SPS	'SIDRCH 69KV'	14	0.04594	-0.14859	2
SPS	'PLANTX 115KV'	253	-0.10265	SPS	'STEER WATER 115KV'	36	0.04959	-0.15224	2
SPS	'PLANTX 115KV'	253	-0.10265	SPS	'WILWIND 230KV'	72	0.0411	-0.14375	2
SPS	'PLANTX 230KV'	189	-0.09844	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.14421	2
SPS	'PLANTX 230KV'	189	-0.09844	SPS	'CZ 69KV'	35	0.04526	-0.1437	2
SPS	'PLANTX 230KV'	189	-0.09844	SPS	'HARRINGTON 230KV'	706	0.04327	-0.14171	2
SPS	'PLANTX 230KV'	189	-0.09844	SPS	'HUBRCO2 69KV'	5	0.04594	-0.14438	2
SPS	'PLANTX 230KV'	189	-0.09844	SPS	'SIDRCH 69KV'	14	0.04594	-0.14438	2
SPS	'PLANTX 230KV'	189	-0.09844	SPS	'STEER WATER 115KV'	36	0.04959	-0.14803	2
SPS	'PLANTX 230KV'	189	-0.09844	SPS	'WILWIND 230KV'	72	0.0411	-0.13954	2
SPS	'TOLK 230KV'	58.254	-0.09626	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.14203	2
SPS	'TOLK 230KV'	58.254	-0.09626	SPS	'CZ 69KV'	35	0.04526	-0.14152	2
SPS	'TOLK 230KV'	58.254	-0.09626	SPS	'HARRINGTON 230KV'	706	0.04327	-0.13953	2
SPS	'TOLK 230KV'	58.254	-0.09626	SPS	'HUBRCO2 69KV'	5	0.04594	-0.1422	2
SPS	'TOLK 230KV'	58.254	-0.09626	SPS	'SIDRCH 69KV'	14	0.04594	-0.1422	2
SPS	'TOLK 230KV'	58.254	-0.09626	SPS	'STEER WATER 115KV'	36	0.04959	-0.14585	2
SPS	'TOLK 230KV'	58.254	-0.09626	SPS	'WILWIND 230KV'	72	0.0411	-0.13736	2
SPS	'TUCUMCARI 115KV'	15	-0.12467	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.17044	2
SPS	'TUCUMCARI 115KV'	15	-0.12467	SPS	'CZ 69KV'	35	0.04526	-0.16993	2
SPS	'TUCUMCARI 115KV'	15	-0.12467	SPS	'HARRINGTON 230KV'	706	0.04327	-0.16794	2
SPS	'TUCUMCARI 115KV'	15	-0.12467	SPS	'HUBRCO2 69KV'	5	0.04594	-0.17061	2
SPS	'TUCUMCARI 115KV'	15	-0.12467	SPS	'SIDRCH 69KV'	14	0.04594	-0.17061	2
SPS	'TUCUMCARI 115KV'	15	-0.12467	SPS	'STEER WATER 115KV'	36	0.04959	-0.17426	2
SPS	'TUCUMCARI 115KV'	15	-0.12467	SPS	'WILWIND 230KV'	72	0.0411	-0.16577	2
SPS	'JONES 230KV'	382	-0.06539	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.11116	3
SPS	'JONES 230KV'	382	-0.06539	SPS	'CZ 69KV'	35	0.04526	-0.11065	3
SPS	'JONES 230KV'	382	-0.06539	SPS	'HARRINGTON 230KV'	706	0.04327	-0.10866	3
SPS	'JONES 230KV'	382	-0.06539	SPS	'HUBRCO2 69KV'	5	0.04594	-0.11133	3
SPS	'JONES 230KV'	382	-0.06539	SPS	'SIDRCH 69KV'	14	0.04594	-0.11133	3
SPS	'JONES 230KV'	382	-0.06539	SPS	'STEER WATER 115KV'	36	0.04959	-0.11498	3
SPS	'JONES 230KV'	382	-0.06539	SPS	'WILWIND 230KV'	72	0.0411	-0.10649	3
SPS	'LP-BRND2 69KV'	172	-0.06434	SPS	'BLACKHAWK 115KV'	220	0.04577	-0.11011	3
SPS	'LP-BRND2 69KV'	172	-0.06434	SPS	'CZ 69KV'	35	0.04526	-0.1096	3

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Potter - Roosevelt 345KV
Limiting Facility: CANYON EAST - OSAGE SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: BUSHLAND INTERCHANGE - DEAF SMITH INTERCHANGE 230KV CKT 1
Flowgate: 5108051014150993511111440 7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1162087	1.4	3.8
1162675	1.2	3.8
1162680	1.3	3.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'TUCUMCARI 115KV'	15	-0.12476	SPS	'NICHOLS 115KV'	82	0.05356	-0.17832	22
SPS	'TUCUMCARI 115KV'	15	-0.12476	SPS	'STEER WATER 115KV'	8	0.04945	-0.17421	22
SPS	'TUCUMCARI 115KV'	15	-0.12476	SPS	'BLACKHAWK 115KV'	220	0.04563	-0.17039	23
SPS	'TUCUMCARI 115KV'	15	-0.12476	SPS	'CZ 69KV'	35	0.04513	-0.16989	23
SPS	'TUCUMCARI 115KV'	15	-0.12476	SPS	'HARRINGTON 230KV'	1066	0.04314	-0.1679	23
SPS	'TUCUMCARI 115KV'	15	-0.12476	SPS	'SIDRCH 69KV'	14	0.0458	-0.17056	23
SPS	'TUCUMCARI 115KV'	15	-0.12476	SPS	'WILWIND 230KV'	16	0.04096	-0.16572	23
SPS	'PLANTX 115KV'	223	-0.10274	SPS	'NICHOLS 115KV'	82	0.05356	-0.1563	25
SPS	'PLANTX 115KV'	223	-0.10274	SPS	'BLACKHAWK 115KV'	220	0.04563	-0.14837	26
SPS	'PLANTX 115KV'	223	-0.10274	SPS	'CZ 69KV'	35	0.04513	-0.14787	26
SPS	'PLANTX 115KV'	223	-0.10274	SPS	'HARRINGTON 230KV'	1066	0.04314	-0.14588	26
SPS	'PLANTX 115KV'	223	-0.10274	SPS	'SIDRCH 69KV'	14	0.0458	-0.14854	26
SPS	'TOLK 230KV'	48.06293	-0.09635	SPS	'NICHOLS 115KV'	82	0.05356	-0.14991	26
SPS	'CARLSBAD 69KV'	18	-0.09139	SPS	'NICHOLS 115KV'	82	0.05356	-0.14495	27
SPS	'CUNNINGHAM 115KV'	71	-0.08787	SPS	'NICHOLS 115KV'	82	0.05356	-0.14143	27
SPS	'CUNNINGHAM 115KV'	110	-0.08787	SPS	'NICHOLS 115KV'	82	0.05356	-0.14143	27
SPS	'CUNNINGHAM 230KV'	110	-0.0884	SPS	'NICHOLS 115KV'	82	0.05356	-0.14196	27
SPS	'HBSCT21 18.0 115KV'	300	-0.08777	SPS	'NICHOLS 115KV'	82	0.05356	-0.14133	27
SPS	'HBSST11 18.0 230KV'	210	-0.08796	SPS	'NICHOLS 115KV'	82	0.05356	-0.14152	27
SPS	'MADOX 115KV'	75	-0.08778	SPS	'NICHOLS 115KV'	82	0.05356	-0.14134	27
SPS	'PLANTX 115KV'	223	-0.10274	SPS	'WILWIND 230KV'	16	0.04096	-0.1437	27
SPS	'TOLK 230KV'	48.06293	-0.09635	SPS	'BLACKHAWK 115KV'	220	0.04563	-0.14198	27
SPS	'TOLK 230KV'	48.06293	-0.09635	SPS	'CZ 69KV'	35	0.04513	-0.14148	27
SPS	'TOLK 230KV'	48.06293	-0.09635	SPS	'SIDRCH 69KV'	14	0.0458	-0.14215	27
SPS	'CARLSBAD 69KV'	18	-0.09139	SPS	'BLACKHAWK 115KV'	220	0.04563	-0.13702	28
SPS	'CARLSBAD 69KV'	18	-0.09139	SPS	'CZ 69KV'	35	0.04513	-0.13652	28
SPS	'CARLSBAD 69KV'	18	-0.09139	SPS	'SIDRCH 69KV'	14	0.0458	-0.13719	28
SPS	'MUSTG5 118.0 230KV'	150	-0.08631	SPS	'NICHOLS 115KV'	82	0.05356	-0.13987	28
SPS	'TOLK 230KV'	48.06293	-0.09635	SPS	'HARRINGTON 230KV'	1066	0.04314	-0.13949	28
SPS	'TOLK 230KV'	48.06293	-0.09635	SPS	'WILWIND 230KV'	16	0.04096	-0.13731	28
SPS	'CARLSBAD 69KV'	18	-0.09139	SPS	'HARRINGTON 230KV'	1066	0.04314	-0.13453	29
SPS	'CARLSBAD 69KV'	18	-0.09139	SPS	'WILWIND 230KV'	16	0.04096	-0.13235	29
SPS	'CUNNINGHAM 115KV'	71	-0.08787	SPS	'BLACKHAWK 115KV'	220	0.04563	-0.1335	29
SPS	'CUNNINGHAM 115KV'	110	-0.08787	SPS	'BLACKHAWK 115KV'	220	0.04563	-0.1335	29

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'CUNNINGHAM 115KV'	71	-0.08787	SPS	'CZ 69KV'	35	0.04513	-0.133	29
SPS	'CUNNINGHAM 115KV'	110	-0.08787	SPS	'CZ 69KV'	35	0.04513	-0.133	29
SPS	'CUNNINGHAM 115KV'	71	-0.08787	SPS	'HARRINGTON 230KV'	1066	0.04314	-0.13101	29
SPS	'CUNNINGHAM 115KV'	110	-0.08787	SPS	'HARRINGTON 230KV'	1066	0.04314	-0.13101	29
SPS	'CUNNINGHAM 115KV'	71	-0.08787	SPS	'SIDRCH 69KV'	14	0.0458	-0.13367	29
SPS	'CUNNINGHAM 115KV'	110	-0.08787	SPS	'SIDRCH 69KV'	14	0.0458	-0.13367	29
SPS	'CUNNINGHAM 230KV'	110	-0.0884	SPS	'BLACKHAWK 115KV'	220	0.04563	-0.13403	29
SPS	'CUNNINGHAM 230KV'	110	-0.0884	SPS	'CZ 69KV'	35	0.04513	-0.13353	29
SPS	'CUNNINGHAM 230KV'	110	-0.0884	SPS	'HARRINGTON 230KV'	1066	0.04314	-0.13154	29
SPS	'CUNNINGHAM 230KV'	110	-0.0884	SPS	'SIDRCH 69KV'	14	0.0458	-0.1342	29
SPS	'HBSCT21 18.0 115KV'	300	-0.08777	SPS	'BLACKHAWK 115KV'	220	0.04563	-0.1334	29
SPS	'HBSCT21 18.0 115KV'	300	-0.08777	SPS	'CZ 69KV'	35	0.04513	-0.1329	29
SPS	'HBSCT21 18.0 115KV'	300	-0.08777	SPS	'HARRINGTON 230KV'	1066	0.04314	-0.13091	29
SPS	'HBSCT21 18.0 115KV'	300	-0.08777	SPS	'SIDRCH 69KV'	14	0.0458	-0.13357	29
SPS	'HBSST11 18.0 230KV'	210	-0.08796	SPS	'BLACKHAWK 115KV'	220	0.04563	-0.13359	29
SPS	'HBSST11 18.0 230KV'	210	-0.08796	SPS	'CZ 69KV'	35	0.04513	-0.13309	29
SPS	'HBSST11 18.0 230KV'	210	-0.08796	SPS	'HARRINGTON 230KV'	1066	0.04314	-0.1311	29
SPS	'HBSST11 18.0 230KV'	210	-0.08796	SPS	'SIDRCH 69KV'	14	0.0458	-0.13376	29
SPS	'MADOX 115KV'	75	-0.08778	SPS	'BLACKHAWK 115KV'	220	0.04563	-0.13341	29
SPS	'MADOX 115KV'	75	-0.08778	SPS	'CZ 69KV'	35	0.04513	-0.13291	29
SPS	'MADOX 115KV'	75	-0.08778	SPS	'HARRINGTON 230KV'	1066	0.04314	-0.13092	29
SPS	'MADOX 115KV'	75	-0.08778	SPS	'SIDRCH 69KV'	14	0.0458	-0.13358	29
SPS	'MUSTG5 118.0 230KV'	150	-0.08631	SPS	'BLACKHAWK 115KV'	220	0.04563	-0.13194	29
SPS	'MUSTG5 118.0 230KV'	150	-0.08631	SPS	'CZ 69KV'	35	0.04513	-0.13144	29
SPS	'MUSTG5 118.0 230KV'	150	-0.08631	SPS	'SIDRCH 69KV'	14	0.0458	-0.13211	29
SPS	'CUNNINGHAM 115KV'	71	-0.08787	SPS	'WILWIND 230KV'	16	0.04096	-0.12883	30
SPS	'CUNNINGHAM 115KV'	110	-0.08787	SPS	'WILWIND 230KV'	16	0.04096	-0.12883	30
SPS	'CUNNINGHAM 230KV'	110	-0.0884	SPS	'WILWIND 230KV'	16	0.04096	-0.12936	30
SPS	'HBSCT21 18.0 115KV'	300	-0.08777	SPS	'WILWIND 230KV'	16	0.04096	-0.12873	30
SPS	'HBSST11 18.0 230KV'	210	-0.08796	SPS	'WILWIND 230KV'	16	0.04096	-0.12892	30
SPS	'MADOX 115KV'	75	-0.08778	SPS	'WILWIND 230KV'	16	0.04096	-0.12874	30
SPS	'MUSTG5 118.0 230KV'	150	-0.08631	SPS	'HARRINGTON 230KV'	1066	0.04314	-0.12945	30
SPS	'MUSTG5 118.0 230KV'	150	-0.08631	SPS	'WILWIND 230KV'	16	0.04096	-0.12727	30
SPS	'LP-BRND2 69KV'	152	-0.06442	SPS	'NICHOLS 115KV'	82	0.05356	-0.11798	33
SPS	'LP-BRND2 69KV'	152	-0.06442	SPS	'BLACKHAWK 115KV'	220	0.04563	-0.11005	35
SPS	'LP-BRND2 69KV'	152	-0.06442	SPS	'CZ 69KV'	35	0.04513	-0.10955	35
SPS	'LP-BRND2 69KV'	152	-0.06442	SPS	'SIDRCH 69KV'	14	0.0458	-0.11022	35
SPS	'LP-BRND2 69KV'	152	-0.06442	SPS	'HARRINGTON 230KV'	1066	0.04314	-0.10756	36
SPS	'LP-BRND2 69KV'	152	-0.06442	SPS	'WILWIND 230KV'	16	0.04096	-0.10538	37
SPS	'PLANTX 115KV'	223	-0.10274	SPS	'LP-BRND2 69KV'	80	-0.06442	-0.03832	100
SPS	'PLANTX 115KV'	223	-0.10274	SPS	'JONES 230KV'	486	-0.06547	-0.03727	103
SPS	'TOLK 230KV'	48.06293	-0.09635	SPS	'LP-BRND2 69KV'	80	-0.06442	-0.03193	121
SPS	'TOLK 230KV'	48.06293	-0.09635	SPS	'JONES 230KV'	486	-0.06547	-0.03088	125

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Potter - Roosevelt 345KV
Limiting Facility: DEAF SMITH INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: DEAF SMITH INTERCHANGE 230/115KV TRANSFORMER CKT 2
Flowgate: 5111051111151111511024111SP
Date Redispatch Needed: 6/1/11 - 10/1/11
Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1154439	0.3	1.4
1161458	0.1	1.4
1162675	0.3	1.4
1162677	0.4	1.4
1162680	0.3	1.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'WILWIND 230KV'	159.9636	0.05795	-0.15305	9
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'WILWIND 230KV'	159.9636	0.05795	-0.12476	11
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'HARRINGTON 230KV'	1066	0.00677	-0.10187	13
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'MOORE COUNTY 115KV'	48	0.00851	-0.10361	13
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'BLACKHAWK 115KV'	220	0.00472	-0.09982	14
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'CZ 69KV'	39	0.00177	-0.09687	14
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'HUBRCO2 69KV'	11	0.00458	-0.09968	14
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'SIDRCH 69KV'	20	0.00458	-0.09968	14
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'STEER WATER 115KV'	79.98182	0.00008	-0.09518	14
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'NICHOLS 115KV'	82	-0.00154	-0.09356	15
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'PLANTX 230KV'	189	-0.00687	-0.08823	15
SPS	'CARLSBAD 69KV'	18	-0.02215	SPS	'WILWIND 230KV'	159.9636	0.05795	-0.0801	17
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'JONES 230KV'	486	-0.01679	-0.07831	17
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'LP-BRND2 69KV'	80	-0.01677	-0.07833	17
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'TOLK 230KV'	1018.65	-0.01556	-0.07954	17
SPS	'CUNNINGHAM 115KV'	71	-0.01974	SPS	'WILWIND 230KV'	159.9636	0.05795	-0.07769	18
SPS	'CUNNINGHAM 115KV'	110	-0.01974	SPS	'WILWIND 230KV'	159.9636	0.05795	-0.07769	18
SPS	'CUNNINGHAM 230KV'	110	-0.02003	SPS	'WILWIND 230KV'	159.9636	0.05795	-0.07798	18
SPS	'HBSCT21 18.0 115KV'	165	-0.01967	SPS	'WILWIND 230KV'	159.9636	0.05795	-0.07762	18
SPS	'LP-BRND2 69KV'	152	-0.01677	SPS	'WILWIND 230KV'	159.9636	0.05795	-0.07472	18
SPS	'MADOX 115KV'	75	-0.01967	SPS	'WILWIND 230KV'	159.9636	0.05795	-0.07762	18
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'MOORE COUNTY 115KV'	48	0.00851	-0.07532	18
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'CUNNINGHAM 230KV'	196	-0.02003	-0.07507	18
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'HBSCT21 18.0 115KV'	10134	-0.01967	-0.07543	18
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'HBSST11 18.0 230KV'	367	-0.01981	-0.07529	18
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'MADOX 115KV'	118	-0.01967	-0.07543	18
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'MUSTANG 115KV'	300	-0.01834	-0.07676	18
SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'MUSTG5 118.0 230KV'	360	-0.01769	-0.07741	18
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'BLACKHAWK 115KV'	220	0.00472	-0.07153	19
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'HARRINGTON 230KV'	1066	0.00677	-0.07358	19
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'HUBRCO2 69KV'	11	0.00458	-0.07139	19
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'SIDRCH 69KV'	20	0.00458	-0.07139	19
SPS	'TOLK 230KV'	61.35001	-0.01556	SPS	'WILWIND 230KV'	159.9636	0.05795	-0.07351	19
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'CZ 69KV'	39	0.00177	-0.06858	20
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'STEER WATER 115KV'	79.98182	0.00008	-0.06689	20
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'NICHOLS 115KV'	82	-0.00154	-0.06527	21
SPS	'NICHOLS 115KV'	131	-0.00154	SPS	'WILWIND 230KV'	159.9636	0.05795	-0.05949	23
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'PLANTX 230KV'	189	-0.00687	-0.05994	23

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'TUCUMCARI 115KV'	15	-0.0951	SPS	'SAN JUAN 230KV'	119.9727	-0.03954	-0.05556	25
SPS	'NICHOLS 230KV'	244	0.00632	SPS	'WILWIND 230KV'	159.9636	0.05795	-0.05163	26
SPS	'RIVERVIEW 69KV'	23	0.0046	SPS	'WILWIND 230KV'	159.9636	0.05795	-0.05335	26
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'JONES 230KV'	486	-0.01679	-0.05002	27
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'LP-BRND2 69KV'	80	-0.01677	-0.05004	27
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'TOLK 230KV'	1018.65	-0.01556	-0.05125	27
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'MUSTANG 115KV'	300	-0.01834	-0.04847	28
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'MUSTG5 118.0 230KV'	360	-0.01769	-0.04912	28
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'CUNNINGHAM 230KV'	196	-0.02003	-0.04678	29
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'HBSCT21 18.0 115KV'	10134	-0.01967	-0.04714	29
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'HBSST11 18.0 230KV'	367	-0.01981	-0.047	29
SPS	'PLANTX 115KV'	149.2949	-0.06681	SPS	'MADOX 115KV'	118	-0.01967	-0.04714	29
SPS	'CARLSBAD 69KV'	18	-0.02215	SPS	'MOORE COUNTY 115KV'	48	0.00851	-0.03066	45

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Potter - Roosevelt 345KV
Limiting Facility: PLANT X INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: LAMB COUNTY INTERCHANGE - TOLK INTERCHANGE 230KV CKT 1
Flowgate: 514185141915146751437131085P
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1125189	0.8	4.5
1161458	0.6	4.5
1162087	0.7	4.5
1162675	0.7	4.5
1162677	1.0	4.5
1162680	0.7	4.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'CAPROCK 115KV'	79.98182	0.07588	-0.64085	7
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'CUNNINGHAM 230KV'	196	0.04895	-0.61392	7
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'HBSCT21 18.0 115KV'	10134	0.04527	-0.61024	7
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'HBSST11 18.0 230KV'	367	0.04737	-0.61234	7
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'MADOX 115KV'	118	0.04511	-0.61008	7
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'MUSTG5 118.0 230KV'	360	0.03868	-0.60365	7
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'PLANTX 230KV'	189	0.12373	-0.6887	7
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'SAN JUAN 230KV'	119.9727	0.08325	-0.64822	7
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'TOLK 230KV'	1016.239	0.10464	-0.66961	7
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'BLACKHAWK 115KV'	220	0.00478	-0.56975	8
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'CZ 69KV'	39	0.00333	-0.5683	8
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'HARRINGTON 230KV'	1066	0.00551	-0.57048	8
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'HUBRCO2 69KV'	11	0.00473	-0.5697	8
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'JONES 230KV'	486	-0.00565	-0.55932	8
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'LP-BRND2 69KV'	80	-0.00701	-0.55796	8
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'MOORE COUNTY 115KV'	48	0.00693	-0.5719	8
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'MUSTANG 115KV'	300	0.03033	-0.5953	8
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'NICHOLS 115KV'	82	0.00234	-0.56731	8
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'SIDRCH 69KV'	20	0.00473	-0.5697	8
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'STEER WATER 115KV'	79.98182	0.00282	-0.56779	8
SPS	'PLANTX 115KV'	199.1494	-0.56497	SPS	'WILWIND 230KV'	159.9636	0.01136	-0.57633	8
SPS	'LP-BRND2 69KV'	152	-0.00701	SPS	'PLANTX 230KV'	189	0.12373	-0.13074	34
SPS	'NICHOLS 115KV'	131	0.00234	SPS	'PLANTX 230KV'	189	0.12373	-0.12139	37
SPS	'NICHOLS 230KV'	244	0.00517	SPS	'PLANTX 230KV'	189	0.12373	-0.11856	38
SPS	'RIVERVIEW 69KV'	23	0.00474	SPS	'PLANTX 230KV'	189	0.12373	-0.11899	38
SPS	'LP-BRND2 69KV'	152	-0.00701	SPS	'TOLK 230KV'	1016.239	0.10464	-0.11165	40
SPS	'NICHOLS 115KV'	131	0.00234	SPS	'TOLK 230KV'	1016.239	0.10464	-0.1023	44
SPS	'NICHOLS 230KV'	244	0.00517	SPS	'TOLK 230KV'	1016.239	0.10464	-0.09947	45
SPS	'RIVERVIEW 69KV'	23	0.00474	SPS	'TOLK 230KV'	1016.239	0.10464	-0.0999	45
SPS	'LP-BRND2 69KV'	152	-0.00701	SPS	'SAN JUAN 230KV'	119.9727	0.08325	-0.09026	50
SPS	'LP-BRND2 69KV'	152	-0.00701	SPS	'CAPROCK 115KV'	79.98182	0.07588	-0.08289	54
SPS	'NICHOLS 115KV'	131	0.00234	SPS	'SAN JUAN 230KV'	119.9727	0.08325	-0.08091	56
SPS	'HBSCT21 18.0 115KV'	165	0.04527	SPS	'PLANTX 230KV'	189	0.12373	-0.07846	57
SPS	'MADOX 115KV'	75	0.04511	SPS	'PLANTX 230KV'	189	0.12373	-0.07862	57
SPS	'RIVERVIEW 69KV'	23	0.00474	SPS	'SAN JUAN 230KV'	119.9727	0.08325	-0.07851	57
SPS	'CUNNINGHAM 115KV'	71	0.04543	SPS	'PLANTX 230KV'	189	0.12373	-0.0783	58
SPS	'CUNNINGHAM 115KV'	110	0.04543	SPS	'PLANTX 230KV'	189	0.12373	-0.0783	58
SPS	'NICHOLS 230KV'	244	0.00517	SPS	'SAN JUAN 230KV'	119.9727	0.08325	-0.07808	58
SPS	'CUNNINGHAM 230KV'	110	0.04895	SPS	'PLANTX 230KV'	189	0.12373	-0.07478	60
SPS	'NICHOLS 115KV'	131	0.00234	SPS	'CAPROCK 115KV'	79.98182	0.07588	-0.07354	61
SPS	'RIVERVIEW 69KV'	23	0.00474	SPS	'CAPROCK 115KV'	79.98182	0.07588	-0.07114	63
SPS	'NICHOLS 230KV'	244	0.00517	SPS	'CAPROCK 115KV'	79.98182	0.07588	-0.07071	64
SPS	'CUNNINGHAM 115KV'	71	0.04543	SPS	'TOLK 230KV'	1016.239	0.10464	-0.05921	76
SPS	'CUNNINGHAM 115KV'	110	0.04543	SPS	'TOLK 230KV'	1016.239	0.10464	-0.05921	76
SPS	'HBSCT21 18.0 115KV'	165	0.04527	SPS	'TOLK 230KV'	1016.239	0.10464	-0.05937	76
SPS	'MADOX 115KV'	75	0.04511	SPS	'TOLK 230KV'	1016.239	0.10464	-0.05953	76
SPS	'CUNNINGHAM 230KV'	110	0.04895	SPS	'TOLK 230KV'	1016.239	0.10464	-0.05569	81
SPS	'LP-BRND2 69KV'	152	-0.00701	SPS	'CUNNINGHAM 230KV'	196	0.04895	-0.05596	81
SPS	'LP-BRND2 69KV'	152	-0.00701	SPS	'HBSST11 18.0 230KV'	367	0.04737	-0.05438	83
SPS	'LP-BRND2 69KV'	152	-0.00701	SPS	'HBSCT21 18.0 115KV'	10134	0.04527	-0.05228	86
SPS	'LP-BRND2 69KV'	152	-0.00701	SPS	'MADOX 115KV'	118	0.04511	-0.05212	86
SPS	'NICHOLS 115KV'	131	0.00234	SPS	'CUNNINGHAM 230KV'	196	0.04895	-0.04661	97
SPS	'LP-BRND2 69KV'	152	-0.00701	SPS	'MUSTG5 118.0 230KV'	360	0.03868	-0.04569	99
SPS	'NICHOLS 115KV'	131	0.00234	SPS	'HBSST11 18.0 230KV'	367	0.04737	-0.04503	100
SPS	'NICHOLS 230KV'	244	0.00517	SPS	'CUNNINGHAM 230KV'	196	0.04895	-0.04378	103
SPS	'NICHOLS 115KV'	131	0.00234	SPS	'HBSCT21 18.0 115KV'	10134	0.04527	-0.04293	105
SPS	'NICHOLS 115KV'	131	0.00234	SPS	'MADOX 115KV'	118	0.04511	-0.04277	105
SPS	'NICHOLS 230KV'	244	0.00517	SPS	'HBSST11 18.0 230KV'	367	0.04737	-0.0422	107
SPS	'NICHOLS 230KV'	244	0.00517	SPS	'HBSCT21 18.0 115KV'	10134	0.04527	-0.0401	112
SPS	'NICHOLS 230KV'	244	0.00517	SPS	'MADOX 115KV'	118	0.04511	-0.03994	113
SPS	'MADOX 115KV'	75	0.04511	SPS	'SAN JUAN 230KV'	119.9727	0.08325	-0.03814	118
SPS	'CUNNINGHAM 115KV'	71	0.04543	SPS	'SAN JUAN 230KV'	119.9727	0.08325	-0.03782	119
SPS	'CUNNINGHAM 115KV'	110	0.04543	SPS	'SAN JUAN 230KV'	119.9727	0.08325	-0.03782	119
SPS	'HBSCT21 18.0 115KV'	165	0.04527	SPS	'SAN JUAN 230KV'	119.9727	0.08325	-0.03798	119
SPS	'LP-BRND2 69KV'	152	-0.00701	SPS	'MUSTANG 115KV'	300	0.03033	-0.03734	121
SPS	'NICHOLS 115KV'	131	0.00234	SPS	'MUSTG5 118.0 230KV'	360	0.03868	-0.03634	124
SPS	'CUNNINGHAM 230KV'	110	0.04895	SPS	'SAN JUAN 230KV'	119.9727	0.08325	-0.0343	131

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'NICHOLS 230KV'	244	0.00517	SPS	'MUSTG5 118.0 230KV'	360	0.03868	-0.03351	135
SPS	'MADOX 115KV'	75	0.04511	SPS	'CAPROCK 115KV'	79.98182	0.07588	-0.03077	146
SPS	'HBSCT21 18.0 115KV'	165	0.04527	SPS	'CAPROCK 115KV'	79.98182	0.07588	-0.03061	147
SPS	'CUNNINGHAM 115KV'	71	0.04543	SPS	'CAPROCK 115KV'	79.98182	0.07588	-0.03045	148
SPS	'CUNNINGHAM 115KV'	110	0.04543	SPS	'CAPROCK 115KV'	79.98182	0.07588	-0.03045	148

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Seven Rivers to Pecos to Potash Junction 230kV
Limiting Facility: POTASH JUNCTION INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 5225252253152209521851120 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1125189	43.9	43.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'LP-BRND2 69KV'	152	0.01314	SPS	'CUNNINGHAM 230KV'	306	0.13648	-0.12334	356
SPS	'LP-BRND2 69KV'	152	0.01314	SPS	'HBSST11 18.0 230KV'	367	0.12168	-0.10854	404

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: Siloam Springs - South Fayetteville 161 kV
Limiting Facility: BEN279 - EAST CENTERTON 161KV CKT 1
Direction: From->To
Line Outage: CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1
Flowgate: 5318353133153154531951230 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	7.8	7.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.16798	46
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'FORT GIBSON 161KV'	42.4	0.01734	-0.1697	46
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01742	-0.16978	46
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'TENKILLER FERRY 161KV'	16	0.01262	-0.16498	47
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01262	-0.16498	47
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'DENISON 138KV'	59.59999	0.01116	-0.16352	48
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'EUFAULA 138KV'	51	0.01121	-0.16357	48
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'EUFAULA 161KV'	25.5	0.01121	-0.16357	48
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'BROKEN BOW 138KV'	93.6	0.00819	-0.16055	49
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00726	-0.15962	49
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'OZARK 161KV'	98	0.00303	-0.15539	50
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.00092	-0.15328	51
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'TRUMAN 161KV'	102	0.00061	-0.15297	51
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'DARDANELLE 161KV'	105.2	-0.00281	-0.14955	52
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'JONESBORO 161KV'	63	-0.00311	-0.14925	52
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'SIKESTON 161KV'	235	-0.00104	-0.15132	52
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'GREERS FERRY 161KV'	93.6	-0.00543	-0.14693	53
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'STOCKTON 161KV'	44.3	-0.00452	-0.14784	53
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'CARTHAGE 69KV'	32	-0.00937	-0.14299	55
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'NORFORK 161KV'	20	-0.01782	-0.13454	58
SWPA	'BEAVER 161KV'	22.98039	-0.15236	SWPA	'BULL SHOALS 161KV'	294	-0.02576	-0.1266	62
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01804	-0.12011	65
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01804	-0.12011	65
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COGENTRIX 345KV'	865	0.01629	-0.11836	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01623	-0.1183	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'OEC 345KV'	469	0.01641	-0.11848	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'RIVERSIDE STATION 138KV'	722	0.01649	-0.11856	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'RVRSIDEG13.8 138KV'	172	0.01649	-0.11856	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'TULSA POWER STATION 138KV'	147	0.01684	-0.11891	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'TULSA POWER STATION 138KV'	120	0.01684	-0.11891	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WELEETKA 138KV'	84	0.01338	-0.11545	68
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COMANCHE 138KV'	160	0.01144	-0.11351	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COMANCHE 69KV'	63	0.01146	-0.11353	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'SOUTHWESTERN STATION 138KV'	369	0.01154	-0.11361	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'ARSENAL HILL 69KV'	63	0.00411	-0.10618	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'EASTMAN 138KV'	155	0.00464	-0.10671	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'KNOXLEE 138KV'	284	0.0046	-0.10667	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'LEBROCK 345KV'	315	0.00463	-0.1067	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'LIEBERMAN 138KV'	159.7585	0.00421	-0.10628	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'PIRKEY GENERATION 138KV'	490	0.00462	-0.10669	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WELSH 345KV'	1044	0.00527	-0.10734	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WILKES 138KV'	449.467	0.00482	-0.10689	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WILKES 345KV'	311	0.00472	-0.10679	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FITZHUGH 161KV'	126	0.00305	-0.10512	74
AEPW	'AH-CC_ST18.0 138KV'	550	0.0041	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06181	126
AEPW	'LIEBERMAN 138KV'	68.24146	0.00421	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.0617	126
AEPW	'2006-10 24.0 115KV'	620	0.00444	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06147	127
AEPW	'EASTMAN 138KV'	330.01	0.00464	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06127	127
AEPW	'KNOXLEE 138KV'	79	0.0046	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06131	127
AEPW	'KNOXLEE 138KV'	60	0.0046	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06131	127
AEPW	'LEBROCK 345KV'	382	0.00463	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06128	127
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.0044	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06151	127
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00489	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06102	128
AEPW	'KIOWA 345KV'	1348	0.01129	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05462	143
AEPW	'SOUTHWESTERN STATION 138KV'	54	0.01154	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05437	144
AEPW	'SOUTHWESTERN STATION 138KV'	336	0.01154	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05437	144
AEPW	'WELEETKA 138KV'	58	0.01338	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05253	149
AEPW	'OEC 345KV'	741	0.01641	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.0495	158
AEPW	'MID-CONTINENT 138KV'	142.11	0.02066	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.04525	172

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: WICHITA - RENO 345 kV CKT 1
Limiting Facility: NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV CKT 1
Direction: From->To
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 57372573741568725687312207G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162581	0.1	10.0
1162582	0.1	10.0
1162675	2.4	10.0
1162680	2.6	10.0
1167662	3.8	10.0
1167664	1.1	10.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.64593	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03415	-0.55704	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03544	-0.55833	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.02112	-0.54401	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'LAWRENCE ENERGY CENTER 230KV'	229.8128	0.02221	-0.5451	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.0256	-0.54849	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.6921	-0.42371	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.54675	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42352	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.54656	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'CHANUTE 69KV'	40.39	0.00312	-0.52601	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'CITY OF AUGUSTA 69KV'	15.523	0.00103	-0.52392	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'CITY OF IOLA 69KV'	17.08	0.00361	-0.5265	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00271	-0.52018	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	20.09	0.0058	-0.52869	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00077	-0.52366	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00542	-0.51747	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'WACO 138KV'	18	-0.00479	-0.5181	19
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.6921	-0.42371	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03415	-0.45786	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.6921	-0.42371	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03544	-0.45915	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.6921	-0.42371	WERE	'LAWRENCE ENERGY CENTER 230KV'	229.8128	0.02221	-0.44592	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.6921	-0.42371	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.0256	-0.44931	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42352	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03415	-0.45767	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42352	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03544	-0.45896	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42352	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.0256	-0.44912	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.6921	-0.42371	WERE	'CHANUTE 69KV'	40.39	0.00312	-0.42683	23
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.6921	-0.42371	WERE	'CITY OF IOLA 69KV'	17.08	0.00361	-0.42732	23
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.6921	-0.42371	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	20.09	0.0058	-0.42951	23
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.6921	-0.42371	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.02112	-0.44483	23
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42352	WERE	'CITY OF IOLA 69KV'	17.08	0.00361	-0.42713	23
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42352	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	20.09	0.0058	-0.42932	23
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42352	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.02112	-0.44464	23
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42352	WERE	'LAWRENCE ENERGY CENTER 230KV'	229.8128	0.02221	-0.44573	23
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.6921	-0.42371	WERE	'CITY OF AUGUSTA 69KV'	15.523	0.00103	-0.42474	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.6921	-0.42371	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00271	-0.421	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.6921	-0.42371	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00077	-0.42448	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.6921	-0.42371	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00542	-0.41829	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	312.6921	-0.42371	WERE	'WACO 138KV'	18	-0.00479	-0.41892	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42352	WERE	'CHANUTE 69KV'	40.39	0.00312	-0.42664	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42352	WERE	'CITY OF AUGUSTA 69KV'	15.523	0.00103	-0.42455	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42352	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00271	-0.42081	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42352	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00077	-0.42429	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42352	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00542	-0.4181	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42352	WERE	'WACO 138KV'	18	-0.00479	-0.41873	24
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00385	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.12689	79
WERE	'CITY OF WINFIELD 69KV'	40	-0.00151	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.12455	81
WERE	'EVANS ENERGY CENTER 138KV'	438	0.00077	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.12227	82
WERE	'EVANS N4 138 16KV'	360	0.0008	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.12224	82
WERE	'CLR_3 .575 34KV'	300	0.00283	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.12021	83
WERE	'GETTY 69KV'	35	0.0015	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.12154	83
WERE	'LATHAM1234.0 345KV'	150	0.00283	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.12021	83
WERE	'CHANUTE 69KV'	47.41	0.00312	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.11992	84
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00303	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.12001	84
WERE	'LANG 3 115 115KV'	360	0.00607	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.11697	86
WERE	'LANG 7 345 345KV'	468	0.01905	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.10399	96
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.02112	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.10192	98
WERE	'LAWRENCE ENERGY CENTER 230KV'	39.18723	0.02221	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.10083	99
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52289	WERE	'HUTCHINSON ENERGY CENTER 115KV'	70.3079	-0.42371	-0.09918	101
WERE	'TECUMSEH ENERGY CENTER 115KV'	123	0.0256	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.09744	103
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.02605	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.09699	103
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.03544	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12304	-0.0876	114
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00385	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03544	-0.03929	255
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00385	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03415	-0.038	264
WERE	'EVANS ENERGY CENTER 138KV'	438	0.00077	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03544	-0.03467	289
WERE	'EVANS N4 138 16KV'	360	0.0008	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03544	-0.03464	290
WERE	'EVANS ENERGY CENTER 138KV'	438	0.00077	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03415	-0.03338	300
WERE	'EVANS N4 138 16KV'	360	0.0008	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03415	-0.03335	301
WERE	'CLR_3 .575 34KV'	300	0.00283	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03544	-0.03261	308
WERE	'LATHAM1234.0 345KV'	150	0.00283	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03544	-0.03261	308
WERE	'CLR_3 .575 34KV'	300	0.00283	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03415	-0.03132	320
WERE	'LATHAM1234.0 345KV'	150	0.00283	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03415	-0.03132	320

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: WICHITA - RENO 345 kV CKT 1
Limiting Facility: NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV CKT 1
Direction: From->To
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 57372573741568725687314207WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Reservation	Relief Amount	Aggregate Relief Amount
1162087	3.8	35.3
1162142	3.6	35.3
1162581	0.1	35.3
1162582	0.1	35.3
1162670	6.1	35.3
1162675	3.4	35.3
1162677	5.1	35.3
1162680	3.7	35.3
1167662	7.3	35.3
1167664	2.1	35.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50584	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02908	-0.53492	66
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50584	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03022	-0.53606	66
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50584	WERE	'SMOKEY HILLS 34KV'	51	0.03015	-0.53599	66
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50584	WERE	'LAWRENCE ENERGY CENTER 230KV'	182.5766	0.01888	-0.52472	67
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50584	WERE	'TECUMSEH ENERGY CENTER 115KV'	60.22192	0.02183	-0.52767	67
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50584	WERE	'CHANUTE 69KV'	34.818	0.00256	-0.5084	69
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50584	WERE	'CLR_3 .575 34KV'	100	0.00225	-0.50809	69
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50584	WERE	'CITY OF WELLINGTON 69KV'	39.483	-0.00248	-0.50336	70
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50584	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00043	-0.50627	70
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.40055	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02908	-0.42963	82
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.40055	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03022	-0.43077	82
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.40055	WERE	'SMOKEY HILLS 34KV'	51	0.03015	-0.4307	82
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.40036	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02908	-0.42944	82
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.40036	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03022	-0.43058	82
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.40036	WERE	'SMOKEY HILLS 34KV'	51	0.03015	-0.43051	82
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.40055	WERE	'LAWRENCE ENERGY CENTER 230KV'	182.5766	0.01888	-0.41943	84
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.40055	WERE	'TECUMSEH ENERGY CENTER 115KV'	60.22192	0.02183	-0.42238	84
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.40036	WERE	'LAWRENCE ENERGY CENTER 230KV'	182.5766	0.01888	-0.41924	84
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.40036	WERE	'TECUMSEH ENERGY CENTER 115KV'	60.22192	0.02183	-0.42219	84
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.40055	WERE	'CHANUTE 69KV'	34.818	0.00256	-0.40311	88
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.40055	WERE	'CLR_3 .575 34KV'	100	0.00225	-0.4028	88
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.40055	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00043	-0.40098	88
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.40036	WERE	'CHANUTE 69KV'	34.818	0.00256	-0.40292	88
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.40036	WERE	'CLR_3 .575 34KV'	100	0.00225	-0.40261	88
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.40036	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00043	-0.40079	88
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.40055	WERE	'CITY OF WELLINGTON 69KV'	39.483	-0.00248	-0.39807	89
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.40036	WERE	'CITY OF WELLINGTON 69KV'	39.483	-0.00248	-0.39788	89

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: To->From
Line Outage: AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 5189051891151741518911130 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1125189	21.6	24.4
1161457	0.3	24.4
1161458	0.3	24.4
1161969	0.4	24.4
1162688	0.2	24.4
1162688	0.4	24.4
9999999	0.7	24.4
9999999	0.4	24.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'LP-BRND2 69KV'	152	-0.01723	SPS	'MUSTG5 118.0 230KV'	360	0.14291	-0.16014	153
SPS	'NICHOLS 115KV'	66.00001	0.00517	SPS	'MUSTG5 118.0 230KV'	360	0.14291	-0.13774	177
SPS	'NICHOLS 230KV'	97	0.00528	SPS	'MUSTG5 118.0 230KV'	360	0.14291	-0.13763	178
SPS	'HBSCT21 18.0 115KV'	165	0.04959	SPS	'MUSTG5 118.0 230KV'	360	0.14291	-0.09332	262
SPS	'LP-BRND2 69KV'	152	-0.01723	SPS	'HBSST11 18.0 230KV'	367	0.07278	-0.09001	272
SPS	'LP-BRND2 69KV'	152	-0.01723	SPS	'CUNNINGHAM 230KV'	306	0.0709	-0.08813	277
SPS	'LP-BRND2 69KV'	152	-0.01723	SPS	'HBSCT21 18.0 115KV'	10134	0.04959	-0.06682	366
SPS	'LP-BRND2 69KV'	152	-0.01723	SPS	'MADOX 115KV'	139.2671	0.04631	-0.06354	385

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Upgrade: YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: To->From
Line Outage: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Flowgate: 5189051891151969519661410 8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	0.3	1.3
1162675	0.3	1.3
1162677	0.4	1.3
1162680	0.3	1.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.38777	3
SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'CAPROCK 115KV'	79.98182	0.0139	-0.24694	5
SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'TOLK 230KV'	1006.147	0.01722	-0.25026	5
SPS	'CUNNINGHAM 115KV'	71	-0.05779	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.21252	6
SPS	'CUNNINGHAM 115KV'	110	-0.05779	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.21252	6
SPS	'MADOX 115KV'	193	-0.05614	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.21087	6
SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'BLACKHAWK 115KV'	220	0.00494	-0.23798	6

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'CUNNINGHAM 230KV'	56	-0.00273	-0.23031	6
SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'CZ 69KV'	37.28301	0.00447	-0.23751	6
SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'HARRINGTON 230KV'	1015.029	0.00499	-0.23803	6
SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'HBSST11 18.0 230KV'	367	-0.00131	-0.23173	6
SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'HUBRCO2 69KV'	6.796211	0.00493	-0.23797	6
SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'JONES 230KV'	104	-0.01111	-0.22193	6
SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'SAN JUAN 230KV'	119.9727	0.0098	-0.24284	6
SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'SIDRCH 69KV'	15.79621	0.00493	-0.23797	6
SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'STEER WATER 115KV'	79.98182	0.00465	-0.23769	6
SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'WILWIND 230KV'	159.9636	0.00692	-0.23996	6
SPS	'HBSCT21 18.0 115KV'	63	-0.04896	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.20369	7
SPS	'MUSTANG 115KV'	179	-0.23304	SPS	'HBSCT21 18.0 115KV'	10236	-0.04896	-0.18408	7
SPS	'CARLSBAD 69KV'	18	-0.01169	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.16642	8
SPS	'JONES 230KV'	382	-0.01111	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.16584	8
SPS	'LP-BRND2 69KV'	232	-0.01216	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.16689	8
SPS	'CUNNINGHAM 230KV'	250	-0.00273	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.15746	9
SPS	'HARRINGTON 230KV'	50.97141	0.00499	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.14974	9
SPS	'HUBRCO2 69KV'	4.203789	0.00493	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.1498	9
SPS	'MOORE COUNTY 115KV'	48	0.00521	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.14952	9
SPS	'NICHOLS 115KV'	213	0.00482	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.14991	9
SPS	'NICHOLS 230KV'	244	0.00494	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.14979	9
SPS	'PLANTX 115KV'	253	0.00632	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.14841	9
SPS	'RIVERVIEW 69KV'	23	0.00493	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.1498	9
SPS	'SIDRCH 69KV'	4.203789	0.00493	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.1498	9
SPS	'PLANTX 230KV'	189	0.01497	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.13976	10
SPS	'TOLK 230KV'	73.85266	0.01722	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.13751	10
SPS	'TUCUMCARI 115KV'	15	0.0139	SPS	'MUSTG5 118.0 230KV'	125	0.15473	-0.14083	10
SPS	'CUNNINGHAM 115KV'	71	-0.05779	SPS	'TOLK 230KV'	1006.147	0.01722	-0.07501	18
SPS	'CUNNINGHAM 115KV'	110	-0.05779	SPS	'TOLK 230KV'	1006.147	0.01722	-0.07501	18
SPS	'MADOX 115KV'	193	-0.05614	SPS	'TOLK 230KV'	1006.147	0.01722	-0.07336	18
SPS	'CUNNINGHAM 115KV'	71	-0.05779	SPS	'CAPROCK 115KV'	79.98182	0.0139	-0.07169	19
SPS	'CUNNINGHAM 115KV'	110	-0.05779	SPS	'CAPROCK 115KV'	79.98182	0.0139	-0.07169	19
SPS	'MADOX 115KV'	193	-0.05614	SPS	'CAPROCK 115KV'	79.98182	0.0139	-0.07004	19
SPS	'CUNNINGHAM 115KV'	71	-0.05779	SPS	'SAN JUAN 230KV'	119.9727	0.0098	-0.06759	20
SPS	'CUNNINGHAM 115KV'	110	-0.05779	SPS	'SAN JUAN 230KV'	119.9727	0.0098	-0.06759	20
SPS	'HBSCT21 18.0 115KV'	63	-0.04896	SPS	'TOLK 230KV'	1006.147	0.01722	-0.06618	20
SPS	'MADOX 115KV'	193	-0.05614	SPS	'SAN JUAN 230KV'	119.9727	0.0098	-0.06594	20
SPS	'CUNNINGHAM 115KV'	71	-0.05779	SPS	'BLACKHAWK 115KV'	220	0.00494	-0.06273	21
SPS	'CUNNINGHAM 115KV'	110	-0.05779	SPS	'BLACKHAWK 115KV'	220	0.00494	-0.06273	21
SPS	'CUNNINGHAM 115KV'	71	-0.05779	SPS	'HARRINGTON 230KV'	1015.029	0.00499	-0.06278	21
SPS	'CUNNINGHAM 115KV'	110	-0.05779	SPS	'HARRINGTON 230KV'	1015.029	0.00499	-0.06278	21
SPS	'CUNNINGHAM 115KV'	71	-0.05779	SPS	'SIDRCH 69KV'	15.79621	0.00493	-0.06272	21
SPS	'CUNNINGHAM 115KV'	110	-0.05779	SPS	'SIDRCH 69KV'	15.79621	0.00493	-0.06272	21
SPS	'CUNNINGHAM 115KV'	71	-0.05779	SPS	'WILWIND 230KV'	159.9636	0.00692	-0.06471	21
SPS	'CUNNINGHAM 115KV'	110	-0.05779	SPS	'WILWIND 230KV'	159.9636	0.00692	-0.06471	21
SPS	'HBSCT21 18.0 115KV'	63	-0.04896	SPS	'CAPROCK 115KV'	79.98182	0.0139	-0.06286	21
SPS	'MADOX 115KV'	193	-0.05614	SPS	'WILWIND 230KV'	159.9636	0.00692	-0.06306	21
SPS	'CUNNINGHAM 115KV'	71	-0.05779	SPS	'CZ 69KV'	37.28301	0.00447	-0.06226	22
SPS	'CUNNINGHAM 115KV'	110	-0.05779	SPS	'CZ 69KV'	37.28301	0.00447	-0.06226	22
SPS	'CUNNINGHAM 115KV'	71	-0.05779	SPS	'STEER WATER 115KV'	79.98182	0.00465	-0.06244	22
SPS	'CUNNINGHAM 115KV'	110	-0.05779	SPS	'STEER WATER 115KV'	79.98182	0.00465	-0.06244	22
SPS	'MADOX 115KV'	193	-0.05614	SPS	'BLACKHAWK 115KV'	220	0.00494	-0.06108	22
SPS	'MADOX 115KV'	193	-0.05614	SPS	'CZ 69KV'	37.28301	0.00447	-0.06061	22
SPS	'MADOX 115KV'	193	-0.05614	SPS	'HARRINGTON 230KV'	1015.029	0.00499	-0.06113	22
SPS	'MADOX 115KV'	193	-0.05614	SPS	'SIDRCH 69KV'	15.79621	0.00493	-0.06107	22
SPS	'MADOX 115KV'	193	-0.05614	SPS	'STEER WATER 115KV'	79.98182	0.00465	-0.06079	22
SPS	'HBSCT21 18.0 115KV'	63	-0.04896	SPS	'SAN JUAN 230KV'	119.9727	0.0098	-0.05876	23
SPS	'CUNNINGHAM 115KV'	71	-0.05779	SPS	'CUNNINGHAM 230KV'	56	-0.00273	-0.05506	24
SPS	'CUNNINGHAM 115KV'	110	-0.05779	SPS	'CUNNINGHAM 230KV'	56	-0.00273	-0.05506	24
SPS	'CUNNINGHAM 115KV'	71	-0.05779	SPS	'HBSST11 18.0 230KV'	367	-0.00131	-0.05648	24
SPS	'CUNNINGHAM 115KV'	110	-0.05779	SPS	'HBSST11 18.0 230KV'	367	-0.00131	-0.05648	24
SPS	'HBSCT21 18.0 115KV'	63	-0.04896	SPS	'WILWIND 230KV'	159.9636	0.00692	-0.05588	24
SPS	'HBSCT21 18.0 115KV'	63	-0.04896	SPS	'BLACKHAWK 115KV'	220	0.00494	-0.0539	25
SPS	'HBSCT21 18.0 115KV'	63	-0.04896	SPS	'CZ 69KV'	37.28301	0.00447	-0.05343	25
SPS	'HBSCT21 18.0 115KV'	63	-0.04896	SPS	'HARRINGTON 230KV'	1015.029	0.00499	-0.05395	25
SPS	'HBSCT21 18.0 115KV'	63	-0.04896	SPS	'SIDRCH 69KV'	15.79621	0.00493	-0.05389	25
SPS	'HBSCT21 18.0 115KV'	63	-0.04896	SPS	'STEER WATER 115KV'	79.98182	0.00465	-0.05361	25
SPS	'MADOX 115KV'	193	-0.05614	SPS	'CUNNINGHAM 230KV'	56	-0.00273	-0.05341	25
SPS	'MADOX 115KV'	193	-0.05614	SPS	'HBSST11 18.0 230KV'	367	-0.00131	-0.05483	25
SPS	'HBSCT21 18.0 115KV'	63	-0.04896	SPS	'HBSST11 18.0 230KV'	367	-0.00131	-0.04765	28
SPS	'CUNNINGHAM 115KV'	71	-0.05779	SPS	'JONES 230KV'	104	-0.01111	-0.04668	29
SPS	'CUNNINGHAM 115KV'	110	-0.05779	SPS	'JONES 230KV'	104	-0.01111	-0.04668	29
SPS	'HBSCT21 18.0 115KV'	63	-0.04896	SPS	'CUNNINGHAM 230KV'	56	-0.00273	-0.04623	29
SPS	'MADOX 115KV'	193	-0.05614	SPS	'JONES 230KV'	104	-0.01111	-0.04503	30
SPS	'HBSCT21 18.0 115KV'	63	-0.04896	SPS	'JONES 230KV'	104	-0.01111	-0.03785	36

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor