



SPP *Southwest Power Pool*

***Aggregate System Impact Study
SPP-2006-AG1-ASIS
For Transmission Service
Requested By
Aggregate Transmission Customers***

SPP Engineering, Tariff Studies

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

April 4, 2006

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1. Executive Summary

Pursuant to Attachment Z of the Southwest Power Pool Open Access Transmission Tariff (OATT), approximately 5915 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 \$ 640 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 third open season commenced on October 1, 2005. All requests for long-term transmission service received prior to February 1, 2006 with a signed study agreement were then included in the third Aggregate Transmission Service Study (ATSS). 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 5915 MW of long-term transmission service has been studied and over \$ 640 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 study 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 study 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 study to that study. 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 planned 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 AECl, 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 fifteen seasonal models to study the aggregate transfers of 5915 MW over a variety of requested service periods. The SPP MDWG 2006 Series Cases Update 1 2006 Summer Peak (06SP), 2006 Summer Shoulder (06SH), 2006 Fall Peak (06FA), 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. Four groups of requests were developed from the aggregate of 5915 MW in order to minimize counterflows among requested service. Each request was included in two to four groups depending on the requested path. From the fifteen seasonal models, four 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 exporting 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 exporting and SPS exporting to outside zones and importing from 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. 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 10 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 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 and upon SPP Board of Directors approval. 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 value of capacity not exceeding 125% of load will set the determinant for base plan funding consideration. For example, a customer submits a request to add a new resource of 50MW in 2010 that meets all other conditions for base plan funding. The Customer's load forecast for 2010 is 500MW with forecasted firm resources of 600MW. The additional 50MW of resources increases the resource to load ratio from 120% to 130%. Therefore the portion of the 50MW request not exceeding 125% resource to load, or 25MW, would be multiplied by \$180,000/MW resulting in \$4,500,000 of potential base plan funding allowable. Any allocated customer costs in excess of base plan funding will be assigned to the customer.

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 - 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 – 5 mw
6. Excl'd 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 - 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	Minimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period	Maximum Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Engineering and Construction Cost of Upgrades Allocated to Customer	Total Engineering and Construction Cost of Upgrades Assigned to Customer
OGE	AG1-2006-040	1032973	OKGE	OKGE	120	9/1/2006	9/1/2031	12/1/2010	12/1/2035	0	11SP	\$ 1,440,000 ⁷	\$ -	\$ 13,251,276	\$ 272,473,069
OMPA	AG1-2006-010	977481	GRDA	OKGE	25	5/1/2007	5/1/2040	3/1/2008	3/1/2041	0	11SP	\$ 4,500,000	\$ -	\$ 3,535,093	\$ 282,253,069
OMPA	AG1-2006-055	1033930	CSWS	CSWS	29	5/1/2008	5/1/2028	12/1/2010	12/1/2030	0	08SP	\$ 5,220,000	\$ -	\$ 9,261,502	\$ 340,851,508
OMPA	AG1-2006-055	1033931	CSWS	CSWS	25	5/1/2008	5/1/2028	12/1/2010	12/1/2030	0	08SP	\$ - ⁸	\$ -	\$ 7,984,056	\$ 340,851,508
OMPA	AG1-2006-059	1034212	ERCOTN	EES	73	5/1/2008	5/1/2018	12/1/2010	11/30/2020	0	08SP	\$ -	\$ 7,446,000	\$ 24,053,398	\$ 343,776,508
OMPA	AG1-2006-060	1034207	ERCOTN	AMRN	73	5/1/2008	5/1/2018	12/1/2010	11/30/2020	0	08SP	\$ -	\$ 7,446,000	\$ 24,247,699	\$ 343,826,508
SPRM	AG1-2006-061	1034234	WR	SPA	25	7/1/2007	7/1/2027	6/1/2011	6/1/2031	0	07SP	\$ 450,000 ⁹	\$ -	\$ 8,362,160	\$ 306,327,708
SPSM	AG1-2006-078	1034444	OKGE	SPS	265	6/1/2009	6/1/2029	12/1/2010	12/1/2030	0	11SP	\$ - ¹	\$ 101,760,000	\$ 72,759,804	\$ 410,357,539
SPSM	AG1-2006-079	1034443	OKGE	SPS	265	6/1/2008	6/1/2028	12/1/2010	12/1/2030	0	08SP	\$ 47,700,000 ¹	\$ 101,760,000	\$ 74,158,184	\$ 413,701,126
SPSM	AG1-2006-080	1034456	SPS	EES	50	6/1/2006	6/1/2007	12/1/2010	12/1/2011	16	07AP	\$ -	\$ 510,000	\$ 2,586,008	\$ 133,927,217
SPSM	AG1-2006-081	1034516	CSWS	SPS	50	1/1/2007	1/1/2012	12/1/2010	12/1/2015	0	06WP	\$ 9,000,000	\$ 4,800,000	\$ 13,832,956	\$ 412,611,126
SPSM	AG1-2006-081	1034517	CSWS	SPS	15	1/1/2007	1/1/2012	12/1/2010	12/1/2015	0	06WP	\$ 2,700,000	\$ 1,440,000	\$ 4,149,912	\$ 412,611,126
TEXL	AG1-2006-074	1034399	CSWS	ERCOTE	25	1/1/2007	1/1/2018	12/1/2010	11/30/2021	0	06WP	\$ 1,800,000 ¹¹	\$ 3,465,000	\$ 24,007,854	\$ 24,015,000
UCU	AG1-2006-008D	984053	WR	MPS	178	1/1/2010	1/1/2030	12/1/2010	12/1/2030	0	11SP	\$ 28,440,000 ¹²	\$ 68,821,920	\$ 4,702,033	\$ 146,810,000
UCU	AG1-2006-063D	1034276	WR	MPS	50	6/1/2007	6/1/2027	6/1/2011	6/1/2031	0	07SP	\$ 900,000	\$ 19,332,000	\$ 3,563,851	\$ 299,997,708
UCU	AG1-2006-073D	1034409	SECI	WPEK	150	1/1/2011	1/1/2041			0	11SP	\$ 27,000,000 ¹²	\$ 52,812,000	\$ 11,940,530	\$ 346,717,708
WRGS	AG1-2006-001D	1026268	OKGE	WR	300	6/1/2006	6/1/2021	12/1/2010	11/30/2025	0	06SH	\$ 54,000,000	\$ -	\$ 23,034,988	\$ 346,115,394
WRGS	AG1-2006-029D	1031553	KCPL	AECI	15	6/1/2006	6/1/2007			0	06SH	\$ -	\$ 153,000	\$ -	\$ -
WRGS	AG1-2006-035D	1032954	KCPL	MPS	15	6/1/2006	6/1/2007	6/1/2008	6/1/2009	0	06SP	\$ -	\$ 289,980	\$ 591,886	\$ 2,505,500
WRGS	AG1-2006-036D	1032955	AECI	KCPL	15	6/1/2006	6/1/2007	10/1/2007	9/30/2008	0	06SP	\$ -	\$ 158,400	\$ 18,654	\$ 1,605,500
WRGS	AG1-2006-038D	1032956	WR	KCPL	15	6/1/2006	6/1/2007	12/1/2010	12/1/2011	0	06SP	\$ -	\$ 158,400	\$ 658,275	\$ 295,653,069

Note 1: 253MW potential base plan fundable for year 2011 for GSEC

Note 2: Potential base plan funding based on 7MW of net dependable capacity.

Note 3: Potential base plan funding applicable to only one selected request.

Note 4: 177MW potential base plan fundable for year 2006 for KPP

Note 5: 92MW potential base plan fundable for year 2008 for KPP WPEK requests.

Note 6: Potential base plan funding applicable to only one selected request.

Note 7: Potential base plan funding based on 8MW of net dependable capacity.

Note 8: 29MW Potential base plan funding for 2008 for OMPA.

Note 9: Potential base plan funding based on 2.5MW of net dependable capacity.

Note 10: 265MW potential base plan funding total for either request

Note 11: 10MW potential base plan fundable for year 2007.

Note 12: 158MW potential base plan funding total for either request

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

Customer Study Number
 WRGS AG1-2006-001D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
WRGS	1026268	OKGE	WR	300	6/1/2006	6/1/2021	12/1/2010	11/30/2025	\$ 54,000,000	\$ -	\$ 23,034,988	\$ 346,115,394
									\$ 54,000,000	\$ -	\$ 23,034,988	\$ 346,115,394

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1026268	17TH STREET TRANSFORMER CKT 2	6/1/2012	6/1/2012	\$ 2,400,000	\$ 2,400,000
	CHEROKEE PL TAP - CONTINENTAL BLACKS 69KV CKT 1	6/1/2016	6/1/2016	\$ 321,551	\$ 462,000
	COFFEYVILLE SUB - DEARING 69KV CKT 1	4/1/2007	4/1/2007	\$ 60,000	\$ 60,000
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2015	6/1/2015	\$ 64,670	\$ 100,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 2,165,719	\$ 3,800,000
	EEC - GRANT 138KV	6/1/2011	6/1/2011	\$ 2,184,434	\$ 5,400,000
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2013	6/1/2013	\$ 20,000	\$ 20,000
	GRANT - CHISHOLM 138KV	6/1/2011	6/1/2011	\$ 444,977	\$ 1,100,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 792,340	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 32,027	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 127,558	\$ 5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$ 41,176	\$ 250,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 149,999	\$ 8,727,217
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 975,965	\$ 3,000,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 527,006	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 1,197,690	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 811,338	\$ 21,000,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 2,615,903	\$ 6,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 34,025	\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 14,647	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 2,766,846	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 885,729	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 140,540	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 4,151,108	\$ 42,000,000
	Wolfforth - Carlisle 230KV	4/1/2007	4/1/2009	\$ 109,740	\$ 7,000,000
				Total	\$ 23,034,988 \$ 346,115,394

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
1026268	Carter JCT Capacitor	6/1/2008	6/1/2008
	DEARING TRANSFORMER CKT 2	12/1/2011	12/1/2011
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	STRANGER CREEK - NW LEAVENWORTH 115KV	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
1026268	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	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
1026268	Remove Reactor	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
 AEPM AG1-2006-003D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
AEPM	1023232	CSWS	CSWS	150	1/1/2007	1/1/2008	1/1/2007	1/1/2008	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
					Total	\$ - \$ -

Customer Study Number
 AEPM AG1-2006-005D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
AEPM	1019916	CSWS	CSWS	168	7/1/2007	7/1/2012	12/1/2010	12/1/2015	\$ -	\$ -	\$ 10,330,388	\$ 280,604,715
									\$ -	\$ -	\$ 10,330,388	\$ 280,604,715

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1019916	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2015	6/1/2015	\$ 10,722	\$ 15,000
	ALUMAX TAP - BANN 138KV CKT 1	6/1/2007	4/1/2008	\$ 511,771	\$ 1,000,000
	ANADARKO 138/69KV TRANSFORMER CKT 1	6/1/2011	6/1/2011	\$ 2,000,000	\$ 2,000,000
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2012	6/1/2012	\$ 7,689	\$ 15,000
	FIXICO TAP - MAUD 138KV CKT 1 AEPW	6/1/2014	6/1/2014	\$ 5,500,000	\$ 5,500,000
	FIXICO TAP - MAUD 138KV CKT 1 OKGE	6/1/2014	6/1/2014	\$ 20,000	\$ 20,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 781	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 388,224	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 15,692	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 36,670	\$ 5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 97,245	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 154,047	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 449,558	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 304,540	\$ 21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 4,465	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 673,615	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 129,220	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 11,497	\$ 10,318,679
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 14,652	\$ 7,000,000
				Total	\$ 10,330,388 \$ 280,604,715

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
1019916	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2006	3/1/2008
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2008

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
1019916	Remove Reactor	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
 AEPM AG1-2006-006D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
AEPM	1019914	CSWS	CSWS	168	7/1/2008	7/1/2013	12/1/2010	12/1/2015	\$ 30,240,000	\$ -	\$ 10,330,388	\$ 280,604,715
									\$ 30,240,000	\$ -	\$ 10,330,388	\$ 280,604,715

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	
				Cost	Total E & C Cost
1019914	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2015	6/1/2015	\$ 10,722	\$ 15,000
	ALUMAX TAP - BANN 138KV CKT 1	6/1/2007	4/1/2008	\$ 511,771	\$ 1,000,000
	ANADARKO 138/69KV TRANSFORMER CKT 1	6/1/2011	6/1/2011	\$ 2,000,000	\$ 2,000,000
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2012	6/1/2012	\$ 7,689	\$ 15,000
	FIXICO TAP - MAUD 138KV CKT 1 AEPW	6/1/2014	6/1/2014	\$ 5,500,000	\$ 5,500,000
	FIXICO TAP - MAUD 138KV CKT 1 OKGE	6/1/2014	6/1/2014	\$ 20,000	\$ 20,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 781	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 388,224	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 15,692	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 36,670	\$ 5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 97,245	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 154,047	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 449,558	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 304,540	\$ 21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 4,465	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 673,615	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 129,220	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 11,497	\$ 10,318,679
	Wolforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 14,652	\$ 7,000,000
				Total	\$ 10,330,388 \$ 280,604,715

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
1019914	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2006	3/1/2008
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2008

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
1019914	Remove Reactor	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
 AEPM AG1-2006-007D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
AEPM	1023236	WFEC	CSWS	80	1/1/2007	1/1/2027	12/1/2010	12/1/2030	\$ 1,440,000	\$ -	\$ 15,110,238	\$ 294,053,069
									\$ 1,440,000	\$ -	\$ 15,110,238	\$ 294,053,069

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1023236	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2015	6/1/2015	\$ 4,278	\$ 15,000
	ALUMAX TAP - BANN 138KV CKT 1	6/1/2007	4/1/2008	\$ 231,221	\$ 1,000,000
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2012	6/1/2012	\$ 3,478	\$ 15,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 78,607	\$ 3,800,000
	FT SUPPLY - WOODWARD 69KV CKT 1	4/1/2007	2/1/2008	\$ 4,500,000	\$ 4,500,000
	FT SUPPLY 138/69KV TRANSFORMER CKT 1	12/1/2006	6/1/2007	\$ 1,500,000	\$ 1,500,000
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	6/1/2007	6/1/2007	\$ 16,957	\$ 50,000
	HAMON BUTLER - MOREWOOD 69KV CKT 1	4/1/2007	6/1/2008	\$ 999,907	\$ 3,400,000
	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	\$ 371,669	\$ 1,500,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 3,852	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 2,596,685	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 104,959	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 474,712	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 736,954	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 165,502	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 210,032	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 821,246	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 556,328	\$ 21,000,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 7,615	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 1,603,923	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 122,313	\$ 10,318,679
				Total	\$ 15,110,238 \$ 294,053,069

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
1023236	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2006	3/1/2008
	Carter JCT Capacitor	6/1/2008	6/1/2008
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2008

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
1023236	Remove Reactor	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
UCU AG1-2006-008D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
UCU	984053	WR	MPS	178	1/1/2010	1/1/2030	12/1/2010	12/1/2030	\$ 28,440,000	\$ 68,821,920	\$ 4,702,033	\$ 146,810,000
									\$ 28,440,000	\$ 68,821,920	\$ 4,702,033	\$ 146,810,000

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
984053	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 256,564	\$ 1,000,000
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 512,904	\$ 1,900,000
	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 551,232	\$ 2,000,000
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 823,552	\$ 1,605,500
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 438,307	\$ 4,100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 178,911	\$ 10,560,000
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$ 31,519	\$ 50,000
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	10/1/2007	\$ 1,563,970	\$ 4,244,500
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 101,412	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 4,099	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 12,917	\$ 5,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 135,116	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 91,530	\$ 21,000,000
	Total			\$ 4,702,033	\$ 146,810,000

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
984053	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	EAST 20MVAR CAPACITOR	6/1/2011	6/1/2011
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

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

Reservation	Upgrade Name	COD	EOC
984053	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV 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
984053	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	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 AG1-2006-009

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KCPS	979750	KCPL	KCPL	168	6/1/2009	6/1/2029	12/1/2010	12/1/2030	\$ 30,240,000	\$ -	\$ 3,274,521	\$ 9,600,000
									\$ 30,240,000	\$ -	\$ 3,274,521	\$ 9,600,000

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
979750	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 505,833	\$ 1,000,000
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 1,011,227	\$ 1,900,000
	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016	\$ 416,399	\$ 700,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 1,341,062	\$ 6,000,000
				Total	\$ 3,274,521
					\$ 9,600,000

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
979750	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2012	6/1/2012
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	STRANGER CREEK - NW LEAVENWORTH 115KV	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
979750	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010

Customer Study Number
 OMPA AG1-2006-010

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
OMPA	977481	GRDA	OKGE	25	5/1/2007	5/1/2040	3/1/2008	3/1/2041	\$ 4,500,000	\$ -	\$ 3,535,093	\$ 282,253,069
									\$ 4,500,000	\$ -	\$ 3,535,093	\$ 282,253,069

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
977481	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006	3/1/2008	\$ 176,883	\$ 890,000
	Chickasaw Capacitors & Tower Heights Capacitors	6/1/2016	6/1/2016	\$ 1,916	\$ 90,000
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011	\$ 17,399	\$ 850,000
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2016	6/1/2016	\$ 3,069,247	\$ 8,500,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 14,734	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 596	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 10,848	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 14,628	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 2,669	\$ 8,727,217
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 59,603	\$ 3,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 48,303	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 32,721	\$ 21,000,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 385	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 65,058	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 2,568	\$ 10,318,679
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010	6/1/2010	\$ 17,535	\$ 1,500,000
				Total	\$ 3,535,093
					\$ 282,253,069

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

Reservation	Upgrade Name	COD	EOC
977481	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	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
 KCPS AG1-2006-012

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KCPS	1035259	WPEK	KCPL	101	6/1/2006	6/1/2037	12/1/2010	11/30/2041	\$ 1,260,000	\$ 33,063,360	\$ 11,722,821	\$ 287,970,683
									\$ 1,260,000	\$ 33,063,360	\$ 11,722,821	\$ 287,970,683

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1035259	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	12/1/2007	\$ 1,023,761	\$ 1,300,000
	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016	\$ 141,899	\$ 700,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 24,610	\$ 153,114
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	10/1/2007	\$ 2,110,939	\$ 4,244,500
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 17,925	\$ 100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 589,299	\$ 3,200,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 3,972	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 1,086,878	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 43,932	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 178,835	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 692,353	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 144,603	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 1,130,363	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 1,663,423	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 1,126,835	\$ 21,000,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 10,098	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 1,616,000	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 117,096	\$ 10,318,679
				Total	\$ 11,722,821 \$ 287,970,683

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
1035259	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2012	6/1/2012
	Carter JCT Capacitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008

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

Reservation	Upgrade Name	COD	EOC
1035259	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	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
1035259	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	Remove Reactor	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
CRGL AG1-2006-015

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
CRGL	1022463	WR	ERCOTN	100	2/1/2007	2/1/2008	12/1/2010	12/1/2011	\$ -	\$ 1,260,000	\$ 6,531,426	\$ 287,640,243
									\$ -	\$ 1,260,000	\$ 6,531,426	\$ 287,640,243

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1022463	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 264,042	\$ 2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 37,038	\$ 1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 278,108	\$ 4,100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 200,345	\$ 10,560,000
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2007	\$ 370,498	\$ 1,100,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2007	\$ 50,799	\$ 150,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 20,847	\$ 1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$ 3,630	\$ 20,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 1,192,387	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 48,197	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 11,769	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 894,381	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 139,135	\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 733,063	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 496,591	\$ 21,000,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 8,665	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 1,618,654	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 163,277	\$ 10,318,679
				Total	\$ 6,531,426 \$ 287,640,243

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
1022463	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

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
1022463	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	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
CRGL AG1-2006-016

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
CRGL	1022470	OPPD	ERCOTN	107	2/1/2008	2/1/2010	12/1/2010	11/30/2012	\$ -	\$ 2,696,400	\$ 5,556,438	\$ 277,983,069
									\$ -	\$ 2,696,400	\$ 5,556,438	\$ 277,983,069

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1022470	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 91,100	\$ 10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 1,181,311	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 47,749	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 2,582	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 973,449	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 152,010	\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 760,759	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 515,353	\$ 21,000,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 11,449	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 1,643,173	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 177,503	\$ 10,318,679
				\$ 5,556,438	\$ 277,983,069

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
1022470	Carter JCT Capacitor	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
1022470	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV 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
1022470	Remove Reactor	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
CRGL AG1-2006-017

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
CRGL	1022468	WR	ERCOTN	100	2/1/2008	2/1/2010	12/1/2010	11/30/2012	\$ -	\$ 2,520,000	\$ 6,112,351	\$ 286,390,243
									\$ -	\$ 2,520,000	\$ 6,112,351	\$ 286,390,243

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1022468	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 267,024	\$ 2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 41,415	\$ 1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 300,309	\$ 4,100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 219,430	\$ 10,560,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 15,200	\$ 1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$ 2,334	\$ 20,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 1,181,211	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 47,745	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 11,656	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 888,184	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 137,881	\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 719,515	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 487,413	\$ 21,000,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 11,421	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 1,619,423	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 162,190	\$ 10,318,679
				Total	\$ 6,112,351 \$ 286,390,243

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
1022468	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

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
1022468	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	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
CRGL AG1-2006-018

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
CRGL	1022466	OKGE	ERCOTN	107	2/1/2007	2/1/2008	12/1/2010	12/1/2011	\$ -	\$ 1,348,200	\$ 5,058,500	
CRGL	1022467	OKGE	ERCOTN	100	2/1/2007	2/1/2008	12/1/2010	12/1/2011	\$ -	\$ 1,260,000	\$ 4,727,563	
									\$ -	\$ 2,608,200	\$ 9,786,063	\$ 277,983,069

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1022466	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 67,023	\$ 10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 950,005	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 38,400	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 70,752	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 619,499	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 83,245	\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 246,675	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 167,103	\$ 21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 9,796	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 2,689,615	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 116,387	\$ 10,318,679
			Total	\$ 5,058,500	\$ 277,983,069
1022467	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 62,638	\$ 10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 887,858	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 35,888	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 66,123	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 578,970	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 77,799	\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 230,537	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 156,170	\$ 21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 9,155	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 2,513,654	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 108,771	\$ 10,318,679
			Total	\$ 4,727,563	\$ 277,983,069

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
1022466	Carter JCT Capacitor	6/1/2008	6/1/2008
1022467	Carter JCT Capacitor	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
1022466	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
1022467	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007

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

Customer Study Number
CRGL AG1-2006-019

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer	
CRGL	1022471	OKGE	ERCOTN	107	2/1/2008	2/1/2010	12/1/2010	11/30/2012		\$ 2,696,400	\$ 5,073,664		
CRGL	1022472	OKGE	ERCOTN	100	2/1/2008	2/1/2010	12/1/2010	11/30/2012		\$ 2,520,000	\$ 4,741,747		
										\$ -	\$ 5,216,400	\$ 9,815,411	\$ 278,033,069

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1022471	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2012	6/1/2012	\$ 10,590	\$ 50,000	
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 64,576	\$ 10,560,000	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 950,005	\$ 61,850,000	
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 38,400	\$ 2,500,000	
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 70,734	\$ 5,000,000	
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 619,592	\$ 36,377,173	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 83,245	\$ 8,727,217	
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 246,801	\$ 31,000,000	
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 167,188	\$ 21,000,000	
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 16,606	\$ 650,000	
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 2,689,500	\$ 90,000,000	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 116,427	\$ 10,318,679	
				Total	\$ 5,073,664	\$ 278,033,069
	1022472	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2012	6/1/2012	\$ 9,897	\$ 50,000
ELLSWORTH 230KV TAP		6/1/2007	6/1/2008	\$ 60,348	\$ 10,560,000	
Mooreland - Potter 345 kV SPS		4/1/2007	12/1/2009	\$ 887,858	\$ 61,850,000	
Mooreland - Potter 345 kV WFEC		4/1/2007	12/1/2009	\$ 35,888	\$ 2,500,000	
Mooreland 345/138 kV Transformer		4/1/2007	12/1/2009	\$ 66,106	\$ 5,000,000	
Potter - Tolk 345KV		4/1/2007	4/1/2009	\$ 579,055	\$ 36,377,173	
POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1		4/1/2007	4/1/2009	\$ 77,799	\$ 8,727,217	
Spearville - Mooreland 345 kV SUNC		4/1/2007	12/1/2009	\$ 230,656	\$ 31,000,000	
Spearville - Mooreland 345 kV WFEC		4/1/2007	12/1/2009	\$ 156,251	\$ 21,000,000	
Tuco - Northwest 345KV OKGE		4/1/2007	12/1/2010	\$ 15,520	\$ 650,000	
Tuco - Northwest 345KV SPS		4/1/2007	12/1/2010	\$ 2,513,558	\$ 90,000,000	
TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1		4/1/2007	4/1/2009	\$ 108,811	\$ 10,318,679	
				Total	\$ 4,741,747	\$ 278,033,069

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
1022471	Carter JCT Capacitor	6/1/2008	6/1/2008
1022472	Carter JCT Capacitor	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
1022471	Remove Reactor	6/1/2006	6/1/2006
1022472	Remove Reactor	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
CRGL AG1-2006-020

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
CRGL	1022465	KCPL	ERCOTN	107	2/1/2007	2/1/2008	12/1/2010	12/1/2011	\$ -	\$ 1,348,200	\$ 5,399,638	\$ 278,083,069
									\$ -	\$ 1,348,200	\$ 5,399,638	\$ 278,083,069

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1022465	BROWN - RUSSETT 138KV CKT 1	6/1/2011	6/1/2011	\$ 31,976	\$ 100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 112,377	\$ 10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 1,133,433	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 45,814	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 27,315	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 859,560	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 128,919	\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 597,996	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 405,094	\$ 21,000,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 8,674	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 1,890,404	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 158,076	\$ 10,318,679
			Total	\$ 5,399,638	\$ 278,083,069

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
1022465	Carter JCT Capacitor	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
1022465	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV 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
1022465	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007

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

Customer Study Number
CRGL AG1-2006-021

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
CRGL	1022469	KCPL	ERCOTN	107	2/1/2008	2/1/2010	12/1/2010	11/30/2012	\$ -	\$ 2,696,400	\$ 5,409,841	\$ 278,083,069
									\$ -	\$ 2,696,400	\$ 5,409,841	\$ 278,083,069

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1022469	BROWN - RUSSETT 138KV CKT 1	6/1/2011	6/1/2011	\$ 31,762	\$ 100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 115,959	\$ 10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 1,132,795	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 45,788	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 27,407	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 859,468	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 128,879	\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 598,157	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 405,203	\$ 21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 12,599	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 1,893,788	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 158,036	\$ 10,318,679
				Total	\$ 5,409,841

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
1022469	Carter JCT Capacitor	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
1022469	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV 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
1022469	Remove Reactor	6/1/2006	6/1/2006

Customer Study Number
CRGL AG1-2006-022

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
CRGL	1024418	WFEC	ERCOTN	50	2/1/2007	2/1/2010	12/1/2010	11/30/2013	\$ -	\$ 1,890,000	\$ 7,863,132	\$ 275,623,069
									\$ -	\$ 1,890,000	\$ 7,863,132	\$ 275,623,069

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1024418	ANADARKO - CYRIL 69KV CKT 1	6/1/2008	6/1/2008	\$ 3,250,000	\$ 3,250,000
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	6/1/2007	6/1/2007	\$ 7,424	\$ 50,000
	HAMON BUTLER - MOREWOOD 69KV CKT 1	4/1/2007	6/1/2008	\$ 343,557	\$ 3,400,000
	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	\$ 237,477	\$ 1,500,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 1,989,014	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 80,397	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 304,106	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 770,257	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 140,190	\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 312,666	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 211,806	\$ 21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 761	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 79,654	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 135,823	\$ 10,318,679
				Total	\$ 7,863,132

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
1024418	Carter JCT Capacitor	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
1024418	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007

Customer Study Number
CRGL AG1-2006-023

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
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Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CRGL	1024415	WPEK	ERCOTN	57	2/1/2007	2/1/2010	12/1/2010	11/30/2013	\$	-	\$ 2,154,600	\$ 3,490,120	\$ 280,876,183	
										\$	-	\$ 2,154,600	\$ 3,490,120	\$ 280,876,183

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1024415	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 15,827	\$ 153,114
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 11,528	\$ 100,000
	MEDICINE LODGE (MED.LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 275,582	\$ 3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 408,477	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 16,511	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 81,360	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 821,553	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 52,160	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 395,078	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 692,082	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 468,830	\$ 21,000,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 21,633	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 62,865	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 166,634	\$ 10,318,679
				Total	\$ 3,490,120 \$ 280,876,183

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
1024415	Carter JCT Capcitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008

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

Reservation	Upgrade Name	COD	EOC
1024415	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	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
1024415	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	Remove Reactor	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
CRGL AG1-2006-024

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
CRGL	1024414	OPPD	ERCOTN	100	2/1/2007	2/1/2010	12/1/2010	11/30/2013	\$ -	\$ 3,780,000	\$ 5,191,601	\$ 277,983,069
									\$ -	\$ 3,780,000	\$ 5,191,601	\$ 277,983,069

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1024414	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 85,149	\$ 10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 1,104,030	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 44,625	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 2,413	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 909,768	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 142,065	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 710,991	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 481,639	\$ 21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 9,355	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 1,535,673	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 165,893	\$ 10,318,679
				Total	\$ 5,191,601 \$ 277,983,069

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
1024414	Carter JCT Capacitor	6/1/2006	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
1024414	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV 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
1024414	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	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
CRGL AG1-2006-025

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
CRGL	1024424	AMRN	ERCOTN	100	2/1/2007	2/1/2010	12/1/2010	11/30/2013	\$ -	\$ 3,780,000	\$ 5,054,105	\$ 278,083,069
									\$ -	\$ 3,780,000	\$ 5,054,105	\$ 278,083,069

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1024424	BROWN - RUSSETT 138KV CKT 1	6/1/2011	6/1/2011	\$ 29,683	\$ 100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 108,384	\$ 10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 1,058,688	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 42,793	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 25,613	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 803,240	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 120,449	\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 559,024	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 378,694	\$ 21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 9,935	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 1,769,904	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 147,698	\$ 10,318,679
				Total	\$ 5,054,105 \$ 278,083,069

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
1024424	Carter JCT Capacitor	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
1024424	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV 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
1024424	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	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
EDE AG1-2006-027

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
EDE	1032183	EES	EDE	50	6/1/2010	6/1/2040	6/1/2010	6/1/2040	\$ -	\$ -	\$ 13,492	
EDE	1032184	EES	EDE	50	6/1/2010	6/1/2040	6/1/2010	6/1/2040	\$ -	\$ -	\$ 13,492	
									\$ -	\$ -	\$ 26,984	\$ 110,000

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1032183	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	6/1/2011	6/1/2011	13492	55000
1032184	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	6/1/2011	6/1/2011	13492	55000
Total				\$ 26,984	\$ 110,000

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
1032183	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1	6/1/2012	6/1/2012
	RIVERSIDE CAPACITOR	6/1/2016	6/1/2016
	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CKT 1	6/1/2011	6/1/2011
	SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 69KV CKT 1	6/1/2007	6/1/2007
	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2006	6/1/2010
	SUB 390 - PURDY SOUTH 69KV	6/1/2016	6/1/2016
1032184	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1	6/1/2012	6/1/2012
	RIVERSIDE CAPACITOR	6/1/2016	6/1/2016
	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CKT 1	6/1/2011	6/1/2011
	SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 69KV CKT 1	6/1/2007	6/1/2007
	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2006	6/1/2010
	SUB 390 - PURDY SOUTH 69KV	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
1032183	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
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011
	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2011	6/1/2011
1032184	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
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011
	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1	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
 EDE AG1-2006-028

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
EDE	1036798	SPS	EDE	50	12/1/2007	12/1/2027	12/1/2010	12/1/2030	\$ -	\$ -	\$ 3,339,443	
EDE	1036799	SPS	EDE	50	12/1/2007	12/1/2027	12/1/2010	12/1/2030	\$ -	\$ -	\$ 3,339,443	
									\$ -	\$ -	\$ 6,678,886	\$ 281,781,183

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1036798	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 7,666	\$ 153,114
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 5,583	\$ 100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 212,924	\$ 3,200,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 12,265	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 482,383	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 19,498	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 104,472	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 471,793	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 104,313	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 333,997	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 239,150	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 162,005	\$ 21,000,000
	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	6/1/2011	6/1/2011	\$ 14,008	\$ 55,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 6,619	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 1,084,269	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 78,498	\$ 10,318,679
			Total	\$ 3,339,443	\$ 281,781,183
1036799	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 7,666	\$ 153,114
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 5,583	\$ 100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 212,924	\$ 3,200,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 12,265	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 482,383	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 19,498	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 104,472	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 471,793	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 104,313	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 333,997	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 239,150	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 162,005	\$ 21,000,000
	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	6/1/2011	6/1/2011	\$ 14,008	\$ 55,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 6,619	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 1,084,269	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 78,498	\$ 10,318,679
			Total	\$ 3,339,443	\$ 281,781,183

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
1036798	Carter JCT Capacitor	6/1/2008	6/1/2008
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1	6/1/2012	6/1/2012
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	NEOSHO - SUB 184 - NEOSHO SOUTH JCT. 161KV CKT 1	6/1/2008	6/1/2006
	RIVERSIDE CAPACITOR	6/1/2016	6/1/2016
	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CKT 1	6/1/2011	6/1/2011
	SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 69KV CKT 1	6/1/2007	6/1/2007
	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2006	6/1/2010
	SUB 390 - PURDY SOUTH 69KV	6/1/2016	6/1/2016
1036799	Carter JCT Capacitor	6/1/2008	6/1/2008
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1	6/1/2012	6/1/2012
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	NEOSHO - SUB 184 - NEOSHO SOUTH JCT. 161KV CKT 1	6/1/2008	6/1/2006
	RIVERSIDE CAPACITOR	6/1/2016	6/1/2016
	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CKT 1	6/1/2011	6/1/2011
	SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 69KV CKT 1	6/1/2007	6/1/2007
	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2006	6/1/2010
	SUB 390 - PURDY SOUTH 69KV	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
1036798	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
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011
	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2011	6/1/2011
1036799	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
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011
	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER 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
1036798	Remove Reactor	6/1/2006	6/1/2006
1036799	Remove Reactor	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
WRGS AG1-2006-029D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
WRGS	1031553	KCPL	AECI	15	6/1/2006	6/1/2007	6/1/2006	6/1/2007	\$ -	\$ 153,000	\$ -	\$ -
									\$ -	\$ 153,000	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
				Total	\$ - \$ -

Customer Study Number
WRGS AG1-2006-035D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
WRGS	1032954	KCPL	MPS	15	6/1/2006	6/1/2007	6/1/2008	6/1/2009	\$ -	\$ 289,980	\$ 591,886	\$ 2,505,500
									\$ -	\$ 289,980	\$ 591,886	\$ 2,505,500

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1032954	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 46,117	\$ 1,605,500
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$ 263	\$ 50,000
	RALPH GREEN 12MVAR CAPACITOR	6/1/2008	6/1/2008	\$ 45,506	\$ 350,000
	SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1	6/1/2007	10/1/2007	\$ 500,000	\$ 500,000
				Total	\$ 591,886 \$ 2,505,500

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
1032954	ANACONDA - FREEMAN 69KV CKT 1	6/1/2006	6/1/2008
	ANACONDA - HARRISONVILLE WEST 69KV CKT 1	6/1/2006	12/1/2007

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

Reservation	Upgrade Name	COD	EOC
1032954	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006

Customer Study Number
WRGS AG1-2006-036D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
WRGS	1032955	AECI	KCPL	15	6/1/2006	6/1/2007	10/1/2007	10/1/2008	\$ -	\$ 158,400	\$ 18,654	\$ 1,605,500
									\$ -	\$ 158,400	\$ 18,654	\$ 1,605,500

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1032955	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 18,654	\$ 1,605,500
				Total	\$ 18,654 \$ 1,605,500

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

Customer Study Number
 WRGS AG1-2006-038D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
WRGS	1032956	WR	KCPL	15	6/1/2006	6/1/2007	12/1/2010	12/1/2011	\$ -	\$ 158,400	\$ 658,275	\$ 295,653,069
									\$ -	\$ 158,400	\$ 658,275	\$ 295,653,069

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1032956	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 32,760	\$ 1,900,000
	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 75,300	\$ 2,000,000
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	12/1/2007	\$ 41,314	\$ 1,300,000
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 5,643	\$ 1,605,500
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 39,490	\$ 4,100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 13,213	\$ 10,560,000
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2007	\$ 89,014	\$ 1,100,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2007	\$ 12,016	\$ 150,000
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$ 696	\$ 50,000
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$ 790	\$ 20,000
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	10/1/2007	\$ 85,187	\$ 4,244,500
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 19,067	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 771	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 2,225	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 11,753	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 2,394	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 160,023	\$ 1,200,000
	Speanville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 24,346	\$ 31,000,000
	Speanville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 16,492	\$ 21,000,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 199	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 23,577	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 2,005	\$ 10,318,679
				Total	\$ 658,275 \$ 295,653,069

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
1032956	Carter JCT Capacitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	12/1/2008	12/1/2008
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

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
1032956	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	Remove Reactor	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
 OGE AG1-2006-040

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
OGE	1032973	OKGE	OKGE	120	9/1/2006	9/1/2031	12/1/2010	12/1/2035	\$ 1,440,000	\$ -	\$ 13,251,276	\$ 272,473,069
									\$ 1,440,000	\$ -	\$ 13,251,276	\$ 272,473,069

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1032973	ALVA - KNOBHILL 69KV CKT 1	6/1/2008	6/1/2008	\$ 100,000	\$ 100,000
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	6/1/2007	6/1/2007	\$ 25,619	\$ 50,000
	HAMON BUTLER - MOREWOOD 69KV CKT 1	4/1/2007	6/1/2008	\$ 1,831,991	\$ 3,400,000
	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	\$ 890,854	\$ 1,500,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 3,681,218	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 148,796	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 653,397	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 1,110,996	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 240,341	\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 1,060,205	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 718,204	\$ 21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 11,969	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 2,591,077	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 186,609	\$ 10,318,679
				Total \$ 13,251,276	\$ 272,473,069

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
1032973	Carter JCT Capcitor	6/1/2008	6/1/2008
	COLONY - FT SMITH 161KV CKT 1	6/1/2011	6/1/2011
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016
	PENNSYLVANIA - WESTMOORE 138KV CKT 1	10/1/2007	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
1032973	Remove Reactor	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
KPP AG1-2006-041

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KPP	1032990	WR	WR	127	6/1/2006	6/1/2016	12/1/2010	11/30/2020	\$ 31,860,000	\$ -	\$ 4,848,291	\$ 161,032,639
									\$ 31,860,000	\$ -	\$ 4,848,291	\$ 161,032,639

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1032990	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006	3/1/2008	\$ 204,398	\$ 890,000
	ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2006	11/1/2006	\$ 9,013	\$ 50,000
	ARKANSAS CITY - SUMNER COUNTY NO. 5 SILVERDALE 69KV CKT 1	6/1/2015	6/1/2015	\$ 42,321	\$ 115,000
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	10/1/2007	\$ 24,758	\$ 40,000
	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2016	6/1/2016	\$ 837,121	\$ 1,650,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 1,024,587	\$ 4,100,000
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2006	6/1/2007	\$ 162,206	\$ 900,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 135,932	\$ 7,520,000
	CRESWELL - OAK 69KV CKT 1	6/1/2006	6/1/2007	\$ 14,564	\$ 143,000
	CRESWELL - PARIS 69KV CKT 1	6/1/2006	6/1/2007	\$ 54,076	\$ 300,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 39,149	\$ 10,560,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 734,491	\$ 3,100,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 78,057	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 3,155	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 22,983	\$ 5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$ 57,963	\$ 250,000
	OAK - RAINBOW 69KV CKT 1	6/1/2006	2/1/2007	\$ 270,343	\$ 1,500,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 21,018	\$ 1,164,639
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2006	6/1/2007	\$ 180,645	\$ 1,500,000
	RICHLAND - UDALL 69KV CKT 1	6/1/2007	5/1/2008	\$ 404,336	\$ 2,300,000
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 136,823	\$ 3,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 171,329	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 116,062	\$ 21,000,000
	TIMBER JUNCTION - UDALL 69KV CKT 1	7/1/2007	7/1/2007	\$ 102,961	\$ 600,000
				Total	\$ 4,848,291 \$ 161,032,639

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
1032990	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

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
1032990	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007

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

Customer Study Number
KPP AG1-2006-042

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KPP	1032991	WPEK	WPEK	80	6/1/2006	6/1/2016	6/1/2011	5/31/2021	\$ 14,400,000	\$ -	\$ 2,713,053	\$ 364,813,321
									\$ 14,400,000	\$ -	\$ 2,713,053	\$ 364,813,321

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1032991	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006	3/1/2008	\$ 47,376	\$ 890,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 49,222	\$ 1,143,587
	Chickasaw Capacitors & Tower Heights Capacitors	6/1/2016	6/1/2016	\$ 555	\$ 90,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 29,032	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 201,383	\$ 7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 83,094	\$ 2,200,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 22,886	\$ 3,800,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 223,658	\$ 10,560,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 2,122	\$ 153,114
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 39,543	\$ 1,143,587
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2016	6/1/2016	\$ 850,408	\$ 8,500,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 47,584	\$ 3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 70,103	\$ 3,000,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 5,351	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 41,957	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 1,696	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 9,368	\$ 5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 127,542	\$ 1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 7,474	\$ 8,727,217
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 29,470	\$ 3,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 77,320	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 52,378	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 1,641	\$ 10,318,679
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 698	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 92,942	\$ 90,000,000
	Tuco - Tolk 345KV	4/1/2007	12/1/2009	\$ 43,547	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 6,884	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 504,931	\$ 42,000,000
	Wofforth - Carlisle 230KV	4/1/2007	4/1/2009	\$ 5,388	\$ 7,000,000
	WASHINGTON 1800 KVAR CAPACITOR	6/1/2007	6/1/2007	\$ 37,500	\$ 75,000
				Total	\$ 2,713,053 \$ 364,813,321

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
1032991	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

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

Reservation	Upgrade Name	COD	EOC
1032991	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015
	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	SUB 110 - ORONOJO 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
1032991	Remove Reactor	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
KPP AG1-2006-043

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KPP	1032992	WR	WPEK	25	6/1/2006	6/1/2016	12/1/2010	11/30/2020	\$ 2,160,000	\$ -	\$ 3,893,698	\$ 358,178,321
									\$ 2,160,000	\$ -	\$ 3,893,698	\$ 358,178,321

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1032992	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 67,888	\$ 2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 108,400	\$ 1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 95,328	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 298,634	\$ 7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 126,200	\$ 2,200,000
	EEC - GRANT 138KV	6/1/2011	6/1/2011	\$ 387,560	\$ 5,400,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 703,859	\$ 10,560,000
	GRANT - CHISHOLM 138KV	6/1/2011	6/1/2011	\$ 78,947	\$ 1,100,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 1,223	\$ 153,114
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 60,056	\$ 1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$ 816	\$ 20,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 72,161	\$ 3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 72,218	\$ 3,000,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 11,974	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 74,882	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 3,027	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 18,145	\$ 5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 133,751	\$ 1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 12,620	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 107,879	\$ 1,200,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 145,566	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 98,609	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 3,035	\$ 10,318,679
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 1,370	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 168,827	\$ 90,000,000
	Tuco - Tolk 345KV	4/1/2007	12/1/2009	\$ 77,153	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 12,270	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 941,729	\$ 42,000,000
	Wolfforth - Carlisle 230KV	4/1/2007	4/1/2009	\$ 9,571	\$ 7,000,000
				\$ 3,893,698	\$ 358,178,321

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
1032992	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

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
1032992	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 - 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	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
KPP AG1-2006-044

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer	
KPP	1032993	WPEK	WR	25	6/1/2006	6/1/2016	12/1/2010	11/30/2020	\$ -	\$ -	\$ 5,038,953	\$ 326,964,409	
										\$ -	\$ -	\$ 5,038,953	\$ 326,964,409

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1032993	ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2006	11/1/2006	\$ 4,352	\$ 50,000
	ARKANSAS CITY - SUMNER COUNTY NO. 5 SILVERDALE 69KV CKT 1	6/1/2015	6/1/2015	\$ 14,783	\$ 115,000
	BELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$ 286,544	\$ 2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 3,232	\$ 1,143,587
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	10/1/2007	\$ 1,617	\$ 40,000
	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2016	6/1/2016	\$ 201,112	\$ 1,650,000
	CHEROKEE PL TAP - CONTINENTAL BLACKS 69KV CKT 1	6/1/2016	6/1/2016	\$ 37,798	\$ 462,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 61,830	\$ 4,100,000
	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$ 71,636	\$ 500,000
	CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2006	6/1/2007	\$ 546,591	\$ 2,650,000
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2006	6/1/2007	\$ 78,333	\$ 900,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 1,126	\$ 7,520,000
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2015	6/1/2015	\$ 7,602	\$ 100,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 271,092	\$ 3,800,000
	CRESWELL - OAK 69KV CKT 1	6/1/2006	6/1/2007	\$ 7,035	\$ 143,000
	CRESWELL - PARIS 69KV CKT 1	6/1/2006	6/1/2007	\$ 26,110	\$ 300,000
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2006	2/1/2008	\$ 560,146	\$ 2,750,000
	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2014	6/1/2014	\$ 540,698	\$ 3,000,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 8,626	\$ 153,114
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 72,943	\$ 3,100,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 6,283	\$ 100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 154,479	\$ 3,200,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 1,504	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 114,486	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 4,628	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 42,625	\$ 5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$ 16,382	\$ 250,000
	OAK - RAINBOW 69KV CKT 1	6/1/2006	2/1/2007	\$ 130,556	\$ 1,500,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 4,086	\$ 1,164,639
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 151,273	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 9,640	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2006	6/1/2007	\$ 99,294	\$ 1,500,000
	RICHLAND - UDALL 69KV CKT 1	6/1/2007	5/1/2008	\$ 207,573	\$ 2,300,000
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 127,343	\$ 3,000,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 256,056	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 151,548	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 102,661	\$ 21,000,000
	TIMBER JUNCTION - UDALL 69KV CKT 1	7/1/2007	7/1/2007	\$ 56,594	\$ 600,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 8,574	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 452,808	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 34,773	\$ 10,318,679
	WELLINGTON CAPACITOR	6/1/2007	6/1/2007	\$ 102,581	\$ 600,000
	Total			\$ 5,038,953	\$ 326,964,409

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
1032993	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008

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

Reservation	Upgrade Name	COD	EOC
1032993	BELL - PECK 69KV CKT 1	6/1/2007	6/1/2007
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007
	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	CRESWELL - OAK 69KV CKT 1	6/1/2011	6/1/2011
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2015	6/1/2015
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	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
1032993	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007

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

Customer Study Number
KPP AG1-2006-045

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KPP	1033000	SPS	WR	25	1/1/2008	1/1/2016	12/1/2010	12/1/2018	\$ -	\$ -	\$ 5,085,657	\$ 325,220,822
									\$ -	\$ -	\$ 5,085,657	\$ 325,220,822

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1033000	ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2006	11/1/2006	\$ 4,069	\$ 50,000
	ARKANSAS CITY - SUMNER COUNTY NO. 5 SILVERDALE 69KV CKT 1	6/1/2015	6/1/2015	\$ 14,828	\$ 115,000
	BELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$ 281,760	\$ 2,000,000
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	10/1/2007	\$ 3,176	\$ 40,000
	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2016	6/1/2016	\$ 200,260	\$ 1,650,000
	CHEROKEE PL TAP - CONTINENTAL BLACKS 69KV CKT 1	6/1/2016	6/1/2016	\$ 38,750	\$ 462,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 69,985	\$ 4,100,000
	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$ 70,440	\$ 500,000
	CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2006	6/1/2007	\$ 548,025	\$ 2,650,000
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2006	6/1/2007	\$ 73,247	\$ 900,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 9,332	\$ 7,520,000
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2015	6/1/2015	\$ 7,793	\$ 100,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 278,928	\$ 3,800,000
	CRESWELL - OAK 69KV CKT 1	6/1/2006	6/1/2007	\$ 6,578	\$ 143,000
	CRESWELL - PARIS 69KV CKT 1	6/1/2006	6/1/2007	\$ 24,416	\$ 300,000
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2006	2/1/2008	\$ 572,122	\$ 2,750,000
	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2014	6/1/2014	\$ 544,131	\$ 3,000,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 4,384	\$ 153,114
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 94,386	\$ 3,100,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 3,193	\$ 100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 114,838	\$ 3,200,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 7,918	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 268,255	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 10,843	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 49,905	\$ 5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$ 16,445	\$ 250,000
	OAK - RAINBOW 69KV CKT 1	6/1/2006	2/1/2007	\$ 122,079	\$ 1,500,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 7,378	\$ 1,164,639
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 216,083	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 48,088	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2006	6/1/2007	\$ 91,933	\$ 1,500,000
	RICHLAND - UDALL 69KV CKT 1	6/1/2007	5/1/2008	\$ 205,050	\$ 2,300,000
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 130,675	\$ 3,000,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 200,562	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 89,439	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 60,588	\$ 21,000,000
	TIMBER JUNCTION - UDALL 69KV CKT 1	7/1/2007	7/1/2007	\$ 52,398	\$ 600,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 3,023	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 504,462	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 35,892	\$ 10,318,679
			Total	\$ 5,085,657	\$ 325,220,822

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
1033000	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

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

Reservation	Upgrade Name	COD	EOC
1033000	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	BELL - PECK 69KV CKT 1	6/1/2007	6/1/2007
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2015	6/1/2015
	CRESWELL - OAK 69KV 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
1033000	Remove Reactor	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
KPP AG1-2006-046

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KPP	1033004	SECI	WPEK	25	11/1/2007	11/1/2016	12/1/2010	12/1/2019	\$ -	\$ -	\$ 2,019,063	\$ 312,357,996
									\$ -	\$ -	\$ 2,019,063	\$ 312,357,996

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1033004	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 87,460	\$ 1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 11,895	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 234,884	\$ 7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 66,560	\$ 2,200,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 570,635	\$ 10,560,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 5,757	\$ 153,114
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 31,675	\$ 1,143,587
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 75,976	\$ 3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 49,961	\$ 3,000,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 18,075	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 106,603	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 4,309	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 22,283	\$ 5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 134,174	\$ 1,164,639
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 93,763	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 16,300	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 160,043	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 48,572	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 32,903	\$ 21,000,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 1,623	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 229,019	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 16,593	\$ 10,318,679
				Total	\$ 2,019,063 \$ 312,357,996

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
1033004	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

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

Reservation	Upgrade Name	COD	EOC
1033004	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV 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
1033004	Remove Reactor	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
KPP AG1-2006-047

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KPP	1032994	WR	WR	50	6/1/2007	6/1/2013	12/1/2010	11/30/2016	\$ -	\$ -	\$ 10,935,106	\$ 393,434,882
									\$ -	\$ -	\$ 10,935,106	\$ 393,434,882

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1032994	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 27,134	\$ 1,000,000
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 54,245	\$ 1,900,000
	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 173,188	\$ 2,000,000
	ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2006	11/1/2006	\$ 8,547	\$ 50,000
	ARKANSAS CITY - SUMNER COUNTY NO. 5 SILVERDALE 69KV CKT 1	6/1/2015	6/1/2015	\$ 28,624	\$ 115,000
	BELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$ 677,438	\$ 2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 4,226	\$ 1,143,587
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	10/1/2007	\$ 7,636	\$ 40,000
	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2016	6/1/2016	\$ 411,508	\$ 1,650,000
	CHEROKEE PL TAP - CONTINENTAL BLACKS 69KV CKT 1	6/1/2016	6/1/2016	\$ 63,901	\$ 462,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 323,819	\$ 4,100,000
	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$ 169,360	\$ 500,000
	CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2006	6/1/2007	\$ 1,013,466	\$ 2,650,000
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2006	6/1/2007	\$ 153,843	\$ 900,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 123,372	\$ 7,520,000
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2015	6/1/2015	\$ 12,852	\$ 100,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 429,410	\$ 3,800,000
	CRESWELL - OAK 69KV CKT 1	6/1/2006	6/1/2007	\$ 13,815	\$ 143,000
	CRESWELL - PARIS 69KV CKT 1	6/1/2006	6/1/2007	\$ 51,280	\$ 300,000
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2006	2/1/2008	\$ 1,064,405	\$ 2,750,000
	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2014	6/1/2014	\$ 1,037,483	\$ 3,000,000
	EEC - GRANT 138KV	6/1/2011	6/1/2011	\$ 1,281,374	\$ 5,400,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 65,712	\$ 10,560,000
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2007	\$ 195,064	\$ 1,100,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2007	\$ 27,074	\$ 150,000
	GRANT - CHISHOLM 138KV	6/1/2011	6/1/2011	\$ 261,021	\$ 1,100,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 13,433	\$ 1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$ 4,283	\$ 20,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 182,828	\$ 3,100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 86,637	\$ 3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 31,703	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 1,281	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 10,495	\$ 5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$ 44,608	\$ 250,000
	OAK - RAINBOW 69KV CKT 1	6/1/2006	2/1/2007	\$ 256,404	\$ 1,500,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 16,752	\$ 1,164,639
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 34,838	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 6,946	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2006	6/1/2007	\$ 208,307	\$ 1,500,000
	RICHLAND - UDALL 69KV CKT 1	6/1/2007	5/1/2008	\$ 435,505	\$ 2,300,000
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 320,378	\$ 3,000,000
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 347,798	\$ 1,200,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 16,827	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 76,554	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 51,859	\$ 21,000,000
	TIMBER JUNCTION - UDALL 69KV CKT 1	7/1/2007	7/1/2007	\$ 118,727	\$ 600,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 720	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 87,404	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 5,974	\$ 10,318,679
	WELLINGTON CAPACITOR	6/1/2007	6/1/2007	\$ 241,952	\$ 600,000
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 653,096	\$ 42,000,000
				Total	\$ 10,935,106 \$ 393,434,882

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

Customer Study Number
KPP AG1-2006-047

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
1032994	Carter JCT Capacitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

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

Reservation	Upgrade Name	COD	EOC
1032994	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	BELL - PECK 69KV CKT 1	6/1/2007	6/1/2007
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007
	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	CRESWELL - OAK 69KV CKT 1	6/1/2011	6/1/2011
	RICHLAND - ROSE HILL JUNCTION 69KV 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
1032994	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	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
KPP AG1-2006-048

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KPP	1032995	WPEK	WPEK	25	6/1/2007	6/1/2013	12/1/2010	11/30/2016	\$ -	\$ -	\$ 2,975,819	\$ 398,135,494
									\$ -	\$ -	\$ 2,975,819	\$ 398,135,494

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1032995	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 160,977	\$ 1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 17,569	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 241,214	\$ 7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 81,133	\$ 2,200,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 572,025	\$ 10,560,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 10,478	\$ 153,114
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 38,610	\$ 1,143,587
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 74,528	\$ 3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 57,543	\$ 3,000,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 3,247	\$ 100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 90,681	\$ 3,200,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 14,980	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 193,674	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 7,828	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 22,811	\$ 5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 137,287	\$ 1,164,639
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 78,166	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 23,901	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 261,660	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 45,515	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 30,833	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 791	\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 7,738	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 272,769	\$ 90,000,000
	Tuco - Tolk 345KV	4/1/2007	12/1/2009	\$ 24,303	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 21,867	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 480,712	\$ 42,000,000
	Wolfforth - Carlisle 230KV	4/1/2007	4/1/2009	\$ 2,979	\$ 7,000,000
				Total	\$ 2,975,819 \$ 398,135,494

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
1032995	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

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

Reservation	Upgrade Name	COD	EOC
1032995	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV 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
1032995	Remove Reactor	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
KPP AG1-2006-049

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KPP	1033723	OPPD	WR	25	6/1/2006	6/1/2011	12/1/2010	12/1/2015	\$ -	\$ -	\$ 3,511,291	\$ 317,785,708
									\$ -	\$ -	\$ 3,511,291	\$ 317,785,708

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1033723	ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2006	11/1/2006	\$ 4,290	\$ 50,000
	ARKANSAS CITY - SUMNER COUNTY NO. 5 SILVERDALE 69KV CKT 1	6/1/2015	6/1/2015	\$ 14,444	\$ 115,000
	BELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$ 288,291	\$ 2,000,000
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	10/1/2007	\$ 2,813	\$ 40,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 7,201	\$ 4,100,000
	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$ 72,073	\$ 500,000
	CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2006	6/1/2007	\$ 541,918	\$ 2,650,000
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2006	6/1/2007	\$ 77,220	\$ 900,000
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2015	6/1/2015	\$ 7,084	\$ 100,000
	CRESWELL - OAK 69KV CKT 1	6/1/2006	6/1/2007	\$ 6,934	\$ 143,000
	CRESWELL - PARIS 69KV CKT 1	6/1/2006	6/1/2007	\$ 25,739	\$ 300,000
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2006	2/1/2008	\$ 553,327	\$ 2,750,000
	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2014	6/1/2014	\$ 527,489	\$ 3,000,000
	EEC - GRANT 138KV	6/1/2011	6/1/2011	\$ 210,240	\$ 5,400,000
	GRANT - CHISHOLM 138KV	6/1/2011	6/1/2011	\$ 42,827	\$ 1,100,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 130,727	\$ 3,100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 27,835	\$ 3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 12,216	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 494	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 6,352	\$ 5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$ 17,594	\$ 250,000
	OAK - RAINBOW 69KV CKT 1	6/1/2006	2/1/2007	\$ 128,700	\$ 1,500,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 926	\$ 1,164,639
	Potter - Toik 345KV	4/1/2007	4/1/2009	\$ 18,447	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 3,638	\$ 8,727,217
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2006	6/1/2007	\$ 101,834	\$ 1,500,000
	RICHLAND - UDALL 69KV CKT 1	6/1/2007	5/1/2008	\$ 213,415	\$ 2,300,000
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 163,314	\$ 3,000,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 43,992	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 25,793	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 17,473	\$ 21,000,000
	TIMBER JUNCTION - UDALL 69KV CKT 1	7/1/2007	7/1/2007	\$ 58,041	\$ 600,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 303	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 52,135	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 3,172	\$ 10,318,679
	WELLINGTON CAPACITOR	6/1/2007	6/1/2007	\$ 103,000	\$ 600,000
				Total	\$ 3,511,291 \$ 317,785,708

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
1033723	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	STRANGER CREEK - NW LEAVENWORTH 115KV	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
1033723	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	BELL - PECK 69KV CKT 1	6/1/2007	6/1/2007
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	CRESWELL - OAK 69KV CKT 1	6/1/2011	6/1/2011
	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2015	6/1/2015
	ARCADIA - REDBUD 345 KV 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
1033723	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	HELZER TO KNOLL 230KV	6/1/2006	6/1/2007
	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007

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

Customer Study Number
 INDP AG1-2006-051

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
INDP	1033791	KCPL	INDN	50	6/1/2010	6/1/2040	12/1/2010	11/30/2040	\$ -	\$ 15,840,000	\$ 802,905	\$ 8,950,000
									\$ -	\$ 15,840,000	\$ 802,905	\$ 8,950,000

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1033791	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 137,510	\$ 1,000,000
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 274,901	\$ 1,900,000
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$ 1,921	\$ 50,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 388,573	\$ 6,000,000
				Total	\$ 802,905 \$ 8,950,000

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
1033791	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	STRANGER CREEK - NW LEAVENWORTH 115KV	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
1033791	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	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
 OMPA AG1-2006-055

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer	
OMPA	1033930	CSWS	CSWS	29	5/1/2008	5/1/2028	12/1/2010	12/1/2030	\$ 5,220,000	\$ -	\$ 9,261,502		
OMPA	1033931	CSWS	CSWS	25	5/1/2008	5/1/2028	12/1/2010	12/1/2030	\$ -	\$ -	\$ 7,984,056		
										\$ -	\$ -	\$ 17,245,558	\$ 340,851,508

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1033930	ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011	\$ 93,543	\$ 500,000
	ERCOTN-SPP DC Tie Expansion	5/1/2008	12/1/2010	\$ 7,975,000	\$ 55,000,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 387	\$ 153,114
	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	6/1/2011	6/1/2011	\$ 53,704	\$ 100,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 282	\$ 100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 10,428	\$ 3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 187,087	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 7,562	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 17,877	\$ 5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 5,850	\$ 8,727,217
	Russell Switch Capacitor	6/1/2011	6/1/2011	\$ 39,240	\$ 75,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 16,040	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 27,624	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 18,713	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 14,438	\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 2,500	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 407,904	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 211,857	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 37,285	\$ 10,318,679
	WALTERS 69KV	6/1/2016	6/1/2016	\$ 107,407	\$ 200,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 26,774	\$ 7,000,000
			Total	\$ 9,261,502	\$ 340,851,508
1033931	ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011	\$ 80,642	\$ 500,000
	ERCOTN-SPP DC Tie Expansion	5/1/2008	12/1/2010	\$ 6,875,000	\$ 55,000,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 334	\$ 153,114
	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	6/1/2011	6/1/2011	\$ 46,296	\$ 100,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 243	\$ 100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 8,991	\$ 3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 161,287	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 6,519	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 15,412	\$ 5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 5,043	\$ 8,727,217
	Russell Switch Capacitor	6/1/2011	6/1/2011	\$ 33,827	\$ 75,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 13,828	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 23,813	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 16,132	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 12,446	\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 2,155	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 351,635	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 182,639	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 32,140	\$ 10,318,679
	WALTERS 69KV	6/1/2016	6/1/2016	\$ 92,593	\$ 200,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 23,081	\$ 7,000,000
			Total	\$ 7,984,056	\$ 340,851,508

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
1033930	Carter JCT Capcitor	6/1/2008	6/1/2008
	Snyder Capacitor	6/1/2016	6/1/2016
1033931	Carter JCT Capcitor	6/1/2008	6/1/2008
	Snyder 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
1033930	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008
1033931	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 AG1-2006-059

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer	
OMPA	1034212	ERCOTN	EES	73	5/1/2008	5/1/2018	12/1/2010	11/30/2020		\$ 7,446,000	\$ 24,053,398	\$ 343,776,508	
										\$ -	\$ 7,446,000	\$ 24,053,398	\$ 343,776,508

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034212	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 154,014	\$ 3,800,000
	ERCOTN-SPP DC Tie Expansion	5/1/2008	12/1/2010	\$ 20,075,000	\$ 55,000,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 2,528	\$ 153,114
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 1,841	\$ 100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 54,391	\$ 3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 736,342	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 29,763	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 25,790	\$ 5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 79,190	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 122,949	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 345,709	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 234,190	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 28,856	\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 8,874	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 1,361,596	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 615,044	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 100,712	\$ 10,318,679
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 76,609	\$ 7,000,000
				Total	\$ 24,053,398 \$ 343,776,508

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
1034212	Carter JCT Capacitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	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
1034212	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	Remove Reactor	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
 OMPA AG1-2006-060

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer	
OMPA	1034207	ERCOTN	AMRN	73	5/1/2008	5/1/2018	12/1/2010	11/30/2020		\$ 7,446,000	\$ 24,247,699	\$ 343,826,508	
										\$ -	\$ 7,446,000	\$ 24,247,699	\$ 343,826,508

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1034207	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 209,104	\$ 3,800,000	
	ERCOTN-SPP DC Tie Expansion	5/1/2008	12/1/2010	\$ 20,075,000	\$ 55,000,000	
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$ 1,013	\$ 50,000	
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 2,632	\$ 153,114	
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 1,917	\$ 100,000	
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 51,546	\$ 3,200,000	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 771,539	\$ 61,850,000	
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 31,186	\$ 2,500,000	
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 18,615	\$ 5,000,000	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 87,774	\$ 8,727,217	
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 134,844	\$ 10,000,000	
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 406,909	\$ 31,000,000	
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 275,648	\$ 21,000,000	
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 30,374	\$ 10,318,679	
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 8,579	\$ 650,000	
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 1,291,115	\$ 90,000,000	
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 660,053	\$ 23,158,819	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 107,732	\$ 10,318,679	
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 82,119	\$ 7,000,000	
				Total	\$ 24,247,699	\$ 343,826,508

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
1034207	Carter JCT Capacitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	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
1034207	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	Remove Reactor	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
SPRM AG1-2006-061

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
SPRM	1034234	WR	SPA	25	7/1/2007	7/1/2027	6/1/2011	6/1/2031	\$ 450,000	\$ -	\$ 8,362,160	\$ 8,362,160
										\$ 450,000	\$ -	\$ 8,362,160

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1034234	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 53,904	\$ 2,000,000	
	BROOKLINE - JUNCTION 161KV CKT 1	6/1/2015	6/1/2015	\$ 1,000,000	\$ 1,000,000	
	CARTHAGE - SUB 109 - ATLAS JCT. 161KV CKT 1	6/1/2015	6/1/2015	\$ 3,730,000	\$ 3,730,000	
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 22,531	\$ 4,100,000	
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 458,982	\$ 10,560,000	
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$ 429	\$ 50,000	
	JAMES RIVER - SEMINOLE 69KV CKT 1	6/1/2010	6/1/2010	\$ 1,600,000	\$ 1,600,000	
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2016	6/1/2016	\$ 801,421	\$ 8,500,000	
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 51,982	\$ 3,000,000	
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 67,545	\$ 3,200,000	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 75,129	\$ 61,850,000	
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 3,037	\$ 2,500,000	
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 14,777	\$ 5,000,000	
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 31,540	\$ 1,164,639	
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 64,988	\$ 36,377,173	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 13,183	\$ 8,727,217	
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -	
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 127,824	\$ 31,000,000	
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 86,590	\$ 21,000,000	
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 989	\$ 650,000	
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 146,231	\$ 90,000,000	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 11,078	\$ 10,318,679	
				Total	\$ 8,362,160	\$ 306,327,708

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
1034234	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	KICKAPOO - SUNSET 69KV CKT 1	6/1/2011	6/1/2011
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	NEERGARD - NORTON 69KV CKT 1	6/1/2011	6/1/2011
	Nichols - Republic North	6/1/2016	6/1/2016
	NIXA (NXA X1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011
	Republic North - Republic East	6/1/2016	6/1/2016
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008

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

Reservation	Upgrade Name	COD	EOC
1034234	Nichols St. Sub Bus - Nichols St. Sub 69KV	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
1034234	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 - 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	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
NTEC AG1-2006-062

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
NTEC	1037581	CSWS	CSWS	6	5/1/2006	5/1/2018	10/1/2007	10/1/2019	\$ 1,080,000	\$ -	\$ 6,554,078	\$ 6,554,078
										\$ 1,080,000	\$ -	\$ 6,554,078

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1037581	ALUMAX TAP - BANN 138KV CKT 1	6/1/2007	4/1/2008	\$ 28,722	\$ 1,000,000
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2012	6/1/2012	\$ 356	\$ 15,000
	BIG SANDY - HAWKINS 69KV CKT 1	6/1/2016	6/1/2016	\$ 2,750,000	\$ 2,750,000
	BIG SANDY - PERDUE 69KV CKT 1	6/1/2016	6/1/2016	\$ 2,700,000	\$ 2,700,000
	FOREST HILLS REC - MAGNOLIA TAP 69KV CKT 1	6/1/2016	6/1/2016	\$ 125,000	\$ 125,000
	FOREST HILLS REC - QUITMAN 69KV CKT 1	6/1/2013	6/1/2013	\$ 250,000	\$ 250,000
	LONE STAR SOUTH - PITTSBURG 138KV CKT 1	6/1/2015	6/1/2015	\$ 300,000	\$ 300,000
	MAGNOLIA TAP - WINNSBORO 69KV CKT 1	6/1/2016	6/1/2016	\$ 400,000	\$ 400,000
				Total	\$ 6,554,078
					\$ 7,540,000

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
1037581	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2006	3/1/2008
	MINEOLA - NORTH MINEOLA 69KV CKT 1	6/1/2011	6/1/2011
	NORTHWEST HENDERSON - POYNTER 69KV CKT 1	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
1037581	NORTH MINEOLA - WINNSBORO 69KV CKT 1	6/1/2006	6/1/2007

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

CUSTOMER Study Number
UCU AG1-2006-063D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
UCU	1034276	WR	MPS	50	6/1/2007	6/1/2027	6/1/2011	6/1/2031	\$ 900,000	\$ 19,332,000	\$ 3,563,851	\$ 3,563,851
										\$ 900,000	\$ 19,332,000	\$ 3,563,851

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1034276	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 65,974	\$ 1,000,000	
	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 141,082	\$ 2,000,000	
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	12/1/2007	\$ 234,925	\$ 1,300,000	
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 317,780	\$ 1,605,500	
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 12,061	\$ 4,100,000	
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 896,609	\$ 10,560,000	
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$ 10,415	\$ 50,000	
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 103,199	\$ 3,000,000	
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	10/1/2007	\$ 484,403	\$ 4,244,500	
	MEDICINE LODGE (MED-LD4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 128,538	\$ 3,200,000	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 116,137	\$ 61,850,000	
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 4,694	\$ 2,500,000	
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 21,872	\$ 5,000,000	
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 65,288	\$ 1,164,639	
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 91,015	\$ 36,377,173	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 18,463	\$ 8,727,217	
	RALPH GREEN 12MVAR CAPACITOR	6/1/2008	6/1/2008	\$ 304,494	\$ 350,000	
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -	
	Speanville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 192,086	\$ 31,000,000	
	Speanville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 130,123	\$ 21,000,000	
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 1,439	\$ 650,000	
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 207,731	\$ 90,000,000	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 15,523	\$ 10,318,679	
				Total	\$ 3,563,851	\$ 299,997,708

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
1034276	ANACONDA - FREEMAN 69KV CKT 1	6/1/2006	6/1/2008
	ANACONDA - HARRISONVILLE WEST 69KV CKT 1	6/1/2006	12/1/2007
	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	EAST 20MVAR CAPACITOR	6/1/2011	6/1/2011
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

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

Reservation	Upgrade Name	COD	EOC
1034276	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV 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
1034276	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	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
KEPC AG1-2006-066

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KEPC	1034313	KCPL	WR	30	6/1/2011	6/1/2031	6/1/2011	6/1/2031	\$ 5,400,000	\$ -	\$ 1,112,646	\$ 1,112,646
										\$ 5,400,000	\$ -	\$ 1,112,646

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1034313	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 44,019	\$ 4,100,000	
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 90,826	\$ 3,800,000	
	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2014	6/1/2014	\$ 130,748	\$ 3,000,000	
	EEC -GRANT 138KV	6/1/2011	6/1/2011	\$ 51,412	\$ 5,400,000	
	GRANT - CHISHOLM 138KV	6/1/2011	6/1/2011	\$ 10,473	\$ 1,100,000	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 9,716	\$ 61,850,000	
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 393	\$ 2,500,000	
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 2,133	\$ 5,000,000	
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$ 10,749	\$ 250,000	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 877	\$ 8,727,217	
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 139,815	\$ 3,000,000	
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 4,965	\$ 31,000,000	
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 3,363	\$ 21,000,000	
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 517,677	\$ 6,000,000	
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 139	\$ 650,000	
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 15,962	\$ 90,000,000	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 789	\$ 10,318,679	
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 78,590	\$ 42,000,000	
				Total	\$ 1,112,646	\$ 299,695,896

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
1034313	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	STRANGER CREEK - NW LEAVENWORTH 115KV	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
1034313	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	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
AEPM AG1-2006-067

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
AEPM	1034259	SPS	CSWS	80	9/1/2007	9/1/2028	12/1/2010	12/1/2031	\$ 1,440,000	\$ -	\$ 8,373,888	\$ 8,373,888
										\$ 1,440,000	\$ -	\$ 8,373,888

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1034259	ALUMAX TAP - BANN 138KV CKT 1	6/1/2007	4/1/2008	\$ 228,286	\$ 1,000,000	
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2012	6/1/2012	\$ 3,478	\$ 15,000	
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 9,315	\$ 153,114	
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 6,785	\$ 100,000	
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 212,607	\$ 3,200,000	
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 5,079	\$ 850,000	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 2,406,560	\$ 61,850,000	
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 97,274	\$ 2,500,000	
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 179,347	\$ 5,000,000	
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 483,479	\$ 36,377,173	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 513,679	\$ 8,727,217	
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -	
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 346,875	\$ 10,000,000	
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 624,423	\$ 31,000,000	
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 422,996	\$ 21,000,000	
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 16,617	\$ 650,000	
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 2,580,385	\$ 90,000,000	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 236,703	\$ 10,318,679	
				Total	\$ 8,373,888	\$ 282,741,183

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
1034259	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2006	3/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2008

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

Reservation	Upgrade Name	COD	EOC
1034259	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	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
1034259	Remove Reactor	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
KMEA AG1-2006-068

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KMEA	1034247	GRDA	WR	1	5/1/2010	5/1/2026	12/1/2010	12/1/2026	\$ 180,000	\$ 249,600	222,228	222,228
										\$ 180,000	\$ 249,600	\$ 222,228

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034247	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006	3/1/2008	\$ 6,413	\$ 890,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 40,864	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 18,665	\$ 7,520,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 2,910	\$ 3,800,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 176	\$ 10,560,000
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2016	6/1/2016	\$ 137,939	\$ 8,500,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 35	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 1,396	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 56	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 389	\$ 5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 423	\$ 1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 372	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 688	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 2,985	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 2,022	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 71	\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 27	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 4,231	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 2,007	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 314	\$ 10,318,679
	Wolforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 245	\$ 7,000,000
				Total	\$ 222,228 \$ 318,908,033

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
1034247	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

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

Reservation	Upgrade Name	COD	EOC
1034247	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	SUB 110 - ORONOJO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011
	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
1034247	AEPW PLANNED UPGRADE FOR NW ARKANSAS	6/1/2006	6/1/2009
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006

CUSTOMER Study Number
KPCS AG1-2006-070

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KPCS	1034307	KCPL	EES	103	6/1/2006	6/1/2007	10/1/2007	9/30/2008	\$ -	\$ 1,050,600	\$ 139,723	139,723
										\$ -	\$ 1,050,600	\$ 139,723

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034307	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 135,979	\$ 1,605,500
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$ 3,744	\$ 50,000
				Total	\$ 139,723 \$ 1,655,500

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

CUSTOMER Study Number
KCPS AG1-2006-071

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer	
KCPS	AG1-2006-071	1034311	KCPL	WR	52	6/1/2006	6/1/2007	12/1/2010	12/1/2011	\$ -	\$ 811,200	\$ 7,659,238	
											\$ -	\$ 811,200	\$ 7,659,238

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1034311	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 76,858	\$ 1,143,587	
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 71,191	\$ 1,605,500	
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 28,372	\$ 7,520,000	
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 128,453	\$ 2,200,000	
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 257,013	\$ 10,560,000	
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV	6/1/2011	6/1/2011	\$ 947,384	\$ 3,000,000	
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 67,298	\$ 1,143,587	
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 64,372	\$ 3,100,000	
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 372,449	\$ 3,000,000	
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 100,945	\$ 850,000	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 159,161	\$ 61,850,000	
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 6,433	\$ 2,500,000	
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 43,569	\$ 5,000,000	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 34,852	\$ 8,727,217	
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 518,060	\$ 10,000,000	
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 334,380	\$ 31,000,000	
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 226,515	\$ 21,000,000	
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 6,914	\$ 10,318,679	
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 2,484	\$ 650,000	
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 412,904	\$ 90,000,000	
	Tuco - Tolk 345KV	4/1/2007	12/1/2009	\$ 192,529	\$ 23,158,819	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 30,272	\$ 10,318,679	
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 3,553,056	\$ 42,000,000	
	Wolfforth - Carlisle 230KV	4/1/2007	4/1/2009	\$ 23,774	\$ 7,000,000	
				Total	\$ 7,659,238	\$ 357,646,068

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
1034311	Carter JCT Capcitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010

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
1034311	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006
	RULETON 115KV CAPACITOR	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 AG1-2006-072

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KCPS	1034312	KCPL	WR	25	6/1/2006	6/1/2007	12/1/2010	12/1/2011	\$ -	\$ 390,000	\$ 4,422,353	\$ 315,031,569
									\$ -	\$ 390,000	\$ 4,422,353	\$ 315,031,569

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1034312	ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2006	11/1/2006	\$ 19,730	\$ 50,000	
	BELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$ 465,967	\$ 2,000,000	
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 41,621	\$ 1,605,500	
	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$ 116,492	\$ 500,000	
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2006	6/1/2007	\$ 355,151	\$ 900,000	
	CRESWELL - OAK 69KV CKT 1	6/1/2006	6/1/2007	\$ 31,893	\$ 143,000	
	CRESWELL - PARIS 69KV CKT 1	6/1/2006	6/1/2007	\$ 118,380	\$ 300,000	
	EEC - GRANT 138KV	6/1/2011	6/1/2011	\$ 391,691	\$ 5,400,000	
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 13,585	\$ 10,560,000	
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011	\$ 20,878	\$ 850,000	
	GRANT - CHISHOLM 138KV	6/1/2011	6/1/2011	\$ 79,789	\$ 1,100,000	
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 52,061	\$ 3,200,000	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 10,993	\$ 61,850,000	
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 444	\$ 2,500,000	
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 8,329	\$ 5,000,000	
	OAK - RAINBOW 69KV CKT 1	6/1/2006	2/1/2007	\$ 591,918	\$ 1,500,000	
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 15,328	\$ 36,377,173	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 2,886	\$ 8,727,217	
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -	
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2006	6/1/2007	\$ 370,692	\$ 1,500,000	
	RICHLAND - UDALL 69KV CKT 1	6/1/2007	5/1/2008	\$ 834,121	\$ 2,300,000	
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 388,148	\$ 3,000,000	
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 4,751	\$ 10,000,000	
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 37,075	\$ 31,000,000	
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 25,115	\$ 21,000,000	
	TIMBER JUNCTION - UDALL 69KV CKT 1	7/1/2007	7/1/2007	\$ 211,280	\$ 600,000	
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 289	\$ 650,000	
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 50,962	\$ 90,000,000	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 2,657	\$ 10,318,679	
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010	6/1/2010	\$ 7,660	\$ 1,500,000	
	WELLINGTON CAPACITOR	6/1/2007	6/1/2007	\$ 152,467	\$ 600,000	
				Total	\$ 4,422,353	\$ 315,031,569

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
1034312	Carter JCT Capacitor	6/1/2008	6/1/2008
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007

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

Reservation	Upgrade Name	COD	EOC
1034312	BELL - PECK 69KV CKT 1	6/1/2007	6/1/2007
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007
	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	CRESWELL - OAK 69KV CKT 1	6/1/2011	6/1/2011
	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007

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
1034312	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007

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

CUSTOMER Study Number
UCU AG1-2006-073D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
UCU	1034409	SECI	WPEK	150	1/1/2011	1/1/2041	1/1/2011	1/1/2041	\$ 27,000,000	\$ 52,812,000	\$ 11,940,530	
									\$ 27,000,000	\$ 52,812,000	\$ 11,940,530	\$ 346,717,708

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1034409	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 502,173	\$ 4,100,000	
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 4,408,584	\$ 7,520,000	
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 367,452	\$ 10,560,000	
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 1,093,168	\$ 3,100,000	
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 87,804	\$ 850,000	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 358,674	\$ 61,850,000	
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 14,498	\$ 2,500,000	
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 126,634	\$ 5,000,000	
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 142,230	\$ 1,164,639	
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 566,323	\$ 36,377,173	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 169,592	\$ 8,727,217	
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 427,274	\$ 10,000,000	
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 450,916	\$ 31,000,000	
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 305,459	\$ 21,000,000	
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 10,596	\$ 650,000	
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 1,218,308	\$ 90,000,000	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 84,472	\$ 10,318,679	
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 1,606,373	\$ 42,000,000	
				Total	\$ 11,940,530	\$ 346,717,708

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
1034409	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

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

Reservation	Upgrade Name	COD	EOC
1034409	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV 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
1034409	Remove Reactor	6/1/2006	6/1/2006

CUSTOMER Study Number
TEXL AG1-2006-074

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
TEXL	1034399	CSWS	ERCOTE	25	1/1/2007	1/1/2018	12/1/2010	11/30/2021	\$ 1,800,000	\$ 3,465,000	\$ 24,007,854	
									\$ 1,800,000	\$ 3,465,000	\$ 24,007,854	\$ 24,015,000

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1034399	DAINGERFIELD - JENKINS REC T 69KV CKT 1	6/1/2010	6/1/2010	\$ 7,854	\$ 15,000	
	SPP-ERCOTE DC Tie Expansion	1/1/2007	12/1/2010	\$ 24,000,000	\$ 24,000,000	
				Total	\$ 24,007,854	\$ 24,015,000

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

CUSTOMER Study Number
KMEA AG1-2006-075

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KMEA	1037590	GRDA	WR	1	6/1/2006	6/1/2026	12/1/2010	12/1/2030	\$ 180,000	\$ 312,000	\$ 395,443	\$ 349,056,981
									\$ 180,000	\$ 312,000	\$ 395,443	\$ 349,056,981

Reservation	Upgrade Name	COD	EOC	Allocated E & C	Total E & C Cost
1037590	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006	3/1/2008	\$ 6,413	\$ 890,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 630	\$ 2,200,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 3,024	\$ 3,800,000
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV	6/1/2011	6/1/2011	\$ 163,568	\$ 3,000,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 369	\$ 1,143,587
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2016	6/1/2016	\$ 136,220	\$ 8,500,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 2,272	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 92	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 465	\$ 5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 444	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 2,163	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 3,960	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 2,683	\$ 21,000,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 4,067	\$ 6,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 84	\$ 10,318,679
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 33	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 4,962	\$ 90,000,000
	Tuco - Tolk 345KV	4/1/2007	12/1/2009	\$ 2,381	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 370	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 60,947	\$ 42,000,000
	Wolfforth - Carlisle 230KV	4/1/2007	4/1/2009	\$ 296	\$ 7,000,000
	Total			\$ 395,443	\$ 349,056,981

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
1037590	Carter JCT Capcitor	6/1/2008	6/1/2008
	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010

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

Reservation	Upgrade Name	COD	EOC
1037590	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	ARCADIA - REDBUD 345 KV 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
1037590	AEPW PLANNED UPGRADE FOR NW ARKANSAS	6/1/2006	6/1/2009
	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	Remove Reactor	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
KMEA AG1-2006-076

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KMEA	1037591	GRDA	WPEK	1	6/1/2006	6/1/2026	12/1/2010	12/1/2030	\$ 180,000	\$ 234,720	\$ 331,095	\$ 326,226,620
									\$ 180,000	\$ 234,720	\$ 331,095	\$ 326,226,620

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1037591	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006	3/1/2008	\$ 6,413	\$ 890,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 12,061	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 89,370	\$ 7,520,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 2,893	\$ 3,800,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 2,662	\$ 10,560,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 302	\$ 1,143,587
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2016	6/1/2016	\$ 136,865	\$ 8,500,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 21,008	\$ 3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 935	\$ 3,000,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 311	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 2,016	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 81	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 471	\$ 5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 1,704	\$ 1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 444	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 1,458	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 3,828	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 2,593	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 84	\$ 10,318,679
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 33	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 5,000	\$ 90,000,000
	Tuco - Tolk 345KV	4/1/2007	12/1/2009	\$ 2,389	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 378	\$ 10,318,679
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 296	\$ 7,000,000
	WASHINGTON 1800 KVAR CAPACITOR	6/1/2007	6/1/2007	\$ 37,500	\$ 75,000
				Total	\$ 331,095 \$ 326,226,620

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
1037591	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

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

Reservation	Upgrade Name	COD	EOC
1037591	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011
	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
1037591	AEPW PLANNED UPGRADE FOR NW ARKANSAS	6/1/2006	6/1/2009
	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	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
SPSM AG1-2006-078

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
SPSM	1034444	OKGE	SPS	265	6/1/2009	6/1/2029	12/1/2010	12/1/2030	\$ -	\$101,760,000	72,759,804	\$ 410,357,539
									\$ -	\$101,760,000	\$ 72,759,804	\$ 410,357,539

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034444	ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011	\$ 133,232	\$ 500,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 62,620	\$ 1,143,587
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2012	6/1/2012	\$ 14,756	\$ 50,000
	CHAVES 230KV SVC	6/1/2008	6/1/2008	\$ 3,562,269	\$ 10,400,000
	CHAVES CO 345KV Tap	6/1/2008	6/1/2008	\$ 12,238,836	\$ 26,139,450
	Chickasaw Capacitors & Tower Heights Capacitors	6/1/2016	6/1/2016	\$ 28,170	\$ 90,000
	CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1	12/1/2007	1/1/2008	\$ 1,252,216	\$ 3,000,010
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 418,620	\$ 10,560,000
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011	\$ 394,325	\$ 850,000
	LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	10/1/2007	1/1/2008	\$ 1,217,574	\$ 3,000,010
	LEA COUNTY INTERCHANGE 230KV CAPACITORS	6/1/2008	6/1/2008	\$ 473,036	\$ 1,381,023
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 7,280,658	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 294,287	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 583,742	\$ 5,000,000
	Mustang-San Andr-Amerada Hess 115KV	6/1/2008	6/1/2008	\$ 737,318	\$ 1,742,892
	PARK LANE - SEMINOLE 138KV CKT 1	6/1/2015	6/1/2015	\$ 50,000	\$ 100,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 5,472,723	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 1,119,481	\$ 8,727,217
	Speanville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 1,670,128	\$ 31,000,000
	Speanville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 1,131,377	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 3,437,017	\$ 10,318,679
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 119,464	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 13,735,404	\$ 90,000,000
	Tuco - Tolk 345KV	4/1/2007	12/1/2009	\$ 8,207,361	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 1,461,376	\$ 10,318,679
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010	6/1/2010	\$ 642,685	\$ 1,500,000
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 4,812,127	\$ 42,000,000
	Wolfforth - Carlisle 230KV	4/1/2007	4/1/2009	\$ 2,209,002	\$ 7,000,000
				Total	\$ 72,759,804 \$ 410,357,539

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
1034444	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008
	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 2	6/1/2007	6/1/2008
	Carter JCT Capcitor	6/1/2008	6/1/2008
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	4/1/2008
	SNANDR3 115KV	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
1034444	Remove Reactor	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
SPSM AG1-2006-079

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
SPSM	1034443	OKGE	SPS	265	6/1/2008	6/1/2028	12/1/2010	12/1/2030	\$ 47,700,000	\$101,760,000	\$ 74,158,184	\$ 413,701,126
									\$ 47,700,000	\$101,760,000	\$ 74,158,184	\$ 413,701,126

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1034443	ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011	\$ 133,232	\$ 500,000	
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 76,285	\$ 1,143,587	
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2012	6/1/2012	\$ 14,756	\$ 50,000	
	CHAVES 230KV SVC	6/1/2008	6/1/2008	\$ 5,472,417	\$ 10,400,000	
	CHAVES CO 345KV Tap	6/1/2008	6/1/2008	\$ 10,603,099	\$ 26,139,450	
	Chickasaw Capacitors & Tower Heights Capacitors	6/1/2016	6/1/2016	\$ 28,170	\$ 90,000	
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 274,971	\$ 2,200,000	
	CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1	12/1/2007	1/1/2008	\$ 1,399,241	\$ 3,000,010	
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 473,937	\$ 10,560,000	
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011	\$ 394,325	\$ 850,000	
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 130,854	\$ 1,143,587	
	LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	10/1/2007	1/1/2008	\$ 1,427,309	\$ 3,000,010	
	LEA COUNTY INTERCHANGE 230KV CAPACITORS	6/1/2008	6/1/2008	\$ 726,686	\$ 1,381,023	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 7,280,658	\$ 61,850,000	
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 294,287	\$ 2,500,000	
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 583,742	\$ 5,000,000	
	Mustang-San Andr-Amerada Hess 115KV	6/1/2008	6/1/2008	\$ 807,704	\$ 1,742,892	
	PARK LANE - SEMINOLE 138KV CKT 1	6/1/2015	6/1/2015	\$ 50,000	\$ 100,000	
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 5,472,723	\$ 36,377,173	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 1,119,481	\$ 8,727,217	
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 1,670,128	\$ 31,000,000	
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 1,131,377	\$ 21,000,000	
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 3,437,017	\$ 10,318,679	
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 87,830	\$ 650,000	
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 13,735,404	\$ 90,000,000	
	Tuco - Tolk 345KV	4/1/2007	12/1/2009	\$ 8,207,361	\$ 23,158,819	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 1,461,376	\$ 10,318,679	
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010	6/1/2010	\$ 642,685	\$ 1,500,000	
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 4,812,127	\$ 42,000,000	
	Wolfforth - Carlisle 230KV	4/1/2007	4/1/2009	\$ 2,209,002	\$ 7,000,000	
				Total	\$ 74,158,184	\$ 413,701,126

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
1034443	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008
	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 2	6/1/2007	6/1/2008
	Carter JCT Capcitor	6/1/2008	6/1/2008
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	4/1/2008
	SNANDR3 115KV	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
1034443	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
1034443	Remove Reactor	6/1/2006	6/1/2006

CUSTOMER Study Number
SPSM AG1-2006-080

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
SPSM	1034456	SPS	EES	50	6/1/2006	6/1/2007	12/1/2010	12/1/2011	\$ -	\$ 510,000	\$ 2,586,008	\$ 133,927,217
									\$ -	\$ 510,000	\$ 2,586,008	\$ 133,927,217

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1034456	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 156,026	\$ 3,200,000	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 1,397,702	\$ 61,850,000	
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 56,496	\$ 2,500,000	
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 92,535	\$ 5,000,000	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 166,686	\$ 8,727,217	
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 424,465	\$ 31,000,000	
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 287,541	\$ 21,000,000	
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 4,557	\$ 650,000	
				Total	\$ 2,586,008	\$ 133,927,217

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

CUSTOMER Study Number
SPSM AG1-2006-081

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
SPSM	1034516	CSWS	SPS	50	1/1/2007	1/1/2012	12/1/2010	12/1/2015	\$ 9,000,000	\$ 4,800,000	\$ 13,832,956	
SPSM	1034517	CSWS	SPS	15	1/1/2007	1/1/2012	12/1/2010	12/1/2015	\$ 2,700,000	\$ 1,440,000	\$ 4,149,912	
									\$ 11,700,000	\$ 6,240,000	\$ 17,982,868	\$ 412,611,126

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034516	ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011	\$ 24,162	\$ 500,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 16,630	\$ 1,143,587
	CHAVES 230KV SVC	6/1/2008	6/1/2008	\$ 1,050,242	\$ 10,400,000
	CHAVES CO 345KV Tap	6/1/2008	6/1/2008	\$ 2,000,303	\$ 26,139,450
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 55,363	\$ 2,200,000
	CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1	12/1/2007	1/1/2008	\$ 264,118	\$ 3,000,010
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 101,689	\$ 10,560,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 27,573	\$ 1,143,587
	LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	10/1/2007	1/1/2008	\$ 269,411	\$ 3,000,010
	LEA COUNTY INTERCHANGE 230KV CAPACITORS	6/1/2008	6/1/2008	\$ 139,462	\$ 1,381,023
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 1,418,366	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 57,331	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 103,023	\$ 5,000,000
	Mustang-San Andr-Amerada Hess 115KV	6/1/2008	6/1/2008	\$ 152,208	\$ 1,742,892
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 1,081,933	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 220,088	\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 382,246	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 258,941	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 646,309	\$ 10,318,679
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 12,791	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 2,383,269	\$ 90,000,000
	Tuco - Tolk 345KV	4/1/2007	12/1/2009	\$ 1,493,987	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 267,016	\$ 10,318,679
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010	6/1/2010	\$ 112,345	\$ 1,500,000
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 884,118	\$ 42,000,000
	Wolfforth - Carlisle 230KV	4/1/2007	4/1/2009	\$ 410,032	\$ 7,000,000
				Total	\$ 13,832,956 \$ 412,611,126
1034517	ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011	\$ 7,249	\$ 500,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 4,987	\$ 1,143,587
	CHAVES 230KV SVC	6/1/2008	6/1/2008	\$ 315,072	\$ 10,400,000
	CHAVES CO 345KV Tap	6/1/2008	6/1/2008	\$ 600,091	\$ 26,139,450
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 16,609	\$ 2,200,000
	CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1	12/1/2007	1/1/2008	\$ 79,230	\$ 3,000,010
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 30,517	\$ 10,560,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 8,271	\$ 1,143,587
	LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	10/1/2007	1/1/2008	\$ 80,830	\$ 3,000,010
	LEA COUNTY INTERCHANGE 230KV CAPACITORS	6/1/2008	6/1/2008	\$ 41,839	\$ 1,381,023
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 425,510	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 17,199	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 30,907	\$ 5,000,000
	Mustang-San Andr-Amerada Hess 115KV	6/1/2008	6/1/2008	\$ 45,662	\$ 1,742,892
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 324,584	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 66,026	\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 114,676	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 77,684	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 193,890	\$ 10,318,679
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 3,837	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 714,981	\$ 90,000,000
	Tuco - Tolk 345KV	4/1/2007	12/1/2009	\$ 448,196	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 80,109	\$ 10,318,679
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010	6/1/2010	\$ 33,703	\$ 1,500,000
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 265,248	\$ 42,000,000
	Wolfforth - Carlisle 230KV	4/1/2007	4/1/2009	\$ 123,005	\$ 7,000,000
				Total	\$ 4,149,912 \$ 412,611,126

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

CUSTOMER Study Number
SPSM AG1-2006-081

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
1034516	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008
	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 2	6/1/2007	6/1/2008
	Carter JCT Capacitor	6/1/2008	6/1/2008
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	4/1/2008
	SNANDR3 115KV	6/1/2008	6/1/2008
1034517	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008
	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 2	6/1/2007	6/1/2008
	Carter JCT Capacitor	6/1/2008	6/1/2008
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	4/1/2008
	SNANDR3 115KV	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
1034516	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
1034517	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009
	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

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
1034516	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006
1034517	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	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
MIDW AG1-2006-082

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
MIDW	1034589	WR	WR	10	1/1/2007	1/1/2012	12/1/2010	12/1/2015	\$ 1,800,000	\$ -	\$ 1,667,690	
MIDW	1034590	WR	WR	25	1/1/2007	1/1/2012	12/1/2010	12/1/2015	\$ 4,500,000	\$ -	\$ 4,169,034	
									\$ 6,300,000	\$ -	\$ 5,836,724	\$ 366,025,207

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034589	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 24,840	\$ 2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 15,374	\$ 1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 31,653	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 21,167	\$ 7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 28,507	\$ 2,200,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 54,672	\$ 10,560,000
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV	6/1/2011	6/1/2011	\$ 214,531	\$ 3,000,000
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2007	\$ 42,208	\$ 1,100,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2007	\$ 5,716	\$ 150,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 15,033	\$ 1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$ 558	\$ 20,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 6,993	\$ 3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 75,645	\$ 3,000,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 18,439	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 25,599	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 1,035	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 8,303	\$ 5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$ 2,403	\$ 250,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 783	\$ 1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 6,374	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 50,927	\$ 1,200,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 93,998	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 60,398	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 40,915	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 1,271	\$ 10,318,679
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 527	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 77,288	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 35,290	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 5,555	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 697,331	\$ 42,000,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 4,357	\$ 7,000,000
				Total	\$ 1,667,690 \$ 366,025,207
1034590	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 62,095	\$ 2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 38,431	\$ 1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 79,132	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 52,891	\$ 7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 71,262	\$ 2,200,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 136,669	\$ 10,560,000
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV	6/1/2011	6/1/2011	\$ 536,251	\$ 3,000,000
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2007	\$ 105,535	\$ 1,100,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2007	\$ 14,294	\$ 150,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 37,582	\$ 1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$ 1,395	\$ 20,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 17,483	\$ 3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 189,112	\$ 3,000,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 46,097	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 63,989	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 2,586	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 20,759	\$ 5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$ 6,007	\$ 250,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 1,958	\$ 1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 15,937	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 127,289	\$ 1,200,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 234,986	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 150,991	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 102,284	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 3,178	\$ 10,318,679
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 1,318	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 193,231	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 88,224	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 13,880	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 1,743,280	\$ 42,000,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 10,908	\$ 7,000,000
				Total	\$ 4,169,034 \$ 366,025,207

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

CUSTOMER Study Number
MIDW AG1-2006-082

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
1034589	Carter JCT Capacitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007
	1034590	Carter JCT Capacitor	6/1/2008
CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009	
FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	
GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007	
JEC - SWISSVALE 345KV	6/1/2006	12/1/2010	
KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008	
LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008	
STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008	
TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007	

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
1034589	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006
1034590	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006

CUSTOMER Study Number
MIDW AG1-2006-083

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer	
MIDW	1034628	WR	WR	10	6/1/2006	6/1/2010	12/1/2010	12/1/2014	\$ -	\$ -	\$ 1,665,287	\$ -	
										\$ -	\$ -	\$ 1,665,287	\$ 365,775,207

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034628	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 24,840	\$ 2,000,000
	BELoit 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 15,374	\$ 1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 31,653	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 21,167	\$ 7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 28,507	\$ 2,200,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 54,672	\$ 10,560,000
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV	6/1/2011	6/1/2011	\$ 214,531	\$ 3,000,000
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2007	\$ 42,208	\$ 1,100,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2007	\$ 5,716	\$ 150,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 15,033	\$ 1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$ 558	\$ 20,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 6,993	\$ 3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 75,645	\$ 3,000,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 18,439	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 25,599	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 1,035	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 8,303	\$ 5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 783	\$ 1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 6,374	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 50,927	\$ 1,200,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 93,998	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 60,398	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 40,915	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 1,271	\$ 10,318,679
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 527	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 77,288	\$ 90,000,000
	Tuco - Tolk 345KV	4/1/2007	12/1/2009	\$ 35,290	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 5,555	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 697,331	\$ 42,000,000
Wolfforth - Carlisle 230KV	4/1/2007	4/1/2009	\$ 4,357	\$ 7,000,000	
Total				\$ 1,665,287	\$ 365,775,207

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

CUSTOMER Study Number
MIDW AG1-2006-083

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
1034628	Carter JCT Capacitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

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
1034628	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006
	RULETON 115KV CAPACITOR	6/1/2006	6/1/2006

CUSTOMER Study Number
MIDW AG1-2006-084

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
MIDW	1034595	WR	WR	50	4/1/2007	4/1/2027	12/1/2010	12/1/2030	\$ 900,000	\$ -	\$ 3,172,702	\$ 351,105,207
									\$ 900,000	\$ -	\$ 3,172,702	\$ 351,105,207

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034595	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 20,398	\$ 1,143,587
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 141,011	\$ 7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 56,108	\$ 2,200,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 1,135,378	\$ 10,560,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 29,234	\$ 1,143,587
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 462,317	\$ 3,000,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 71,117	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 38,454	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 1,554	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 20,232	\$ 5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 55,099	\$ 1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 15,428	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 401,665	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 132,783	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 89,950	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 3,275	\$ 10,318,679
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 1,228	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 192,269	\$ 90,000,000
	Tuco - Tolk 345KV	4/1/2007	12/1/2009	\$ 88,097	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 13,904	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 192,304	\$ 42,000,000
	Wolfforth - Carlisle 230KV	4/1/2007	4/1/2009	\$ 10,897	\$ 7,000,000
	Total			\$ 3,172,702	\$ 351,105,207

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
1034595	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010

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
1034595	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	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
MIDW AG1-2006-085

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
MIDW	1036931	WR	WR	50	12/1/2006	12/1/2026	6/1/2011	6/1/2031	\$ -	\$ -	1,499,527	313,566,656
									\$ -	\$ -	1,499,527	313,566,656

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1036931	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 11,322	\$ 1,143,587
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 240,090	\$ 3,000,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 42,696	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 1,726	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 10,061	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 41,718	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 7,780	\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 25,470	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 17,254	\$ 21,000,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 577	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 101,577	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 7,262	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 991,994	\$ 42,000,000
				Total	\$ 1,499,527 \$ 313,566,656

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
1036931	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010

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

Reservation	Upgrade Name	COD	EOC
1036931	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	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
1036931	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	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
MIDW AG1-2006-086

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
MIDW	1036932	SECI	WR	50	12/1/2006	12/1/2026	12/1/2010	12/1/2030	\$ -	\$ -	\$ 4,094,922	\$ 336,373,357
									\$ -	\$ -	\$ 4,094,922	\$ 336,373,357

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1036932	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 28,892	\$ 1,143,587
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 3,758	\$ 10,560,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 6,827	\$ 153,114
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 11,166	\$ 1,143,587
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 313,186	\$ 3,000,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 4,972	\$ 100,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 78,549	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 163,212	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 6,597	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 33,159	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 139,536	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 25,316	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 808,408	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 69,281	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 46,932	\$ 21,000,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 2,088	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 339,423	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 24,435	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 1,989,185	\$ 42,000,000
				Total	\$ 4,094,922 \$ 336,373,357

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
1036932	Carter JCT Capcitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010

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

Reservation	Upgrade Name	COD	EOC
1036932	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV 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
1036932	HELZER TO KNOLL 230KV	6/1/2006	6/1/2007
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	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
MIDW AG1-2006-087

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
MIDW	1040115	SPS	WR	50	11/1/2006	11/1/2026	12/1/2010	12/1/2030	\$ -	\$ -	\$ 5,608,077	\$ 337,537,996
									\$ -	\$ -	\$ 5,608,077	\$ 337,537,996

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1040115	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 35,539	\$ 1,143,587
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 29,420	\$ 10,560,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 7,043	\$ 153,114
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 13,807	\$ 1,143,587
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 337,414	\$ 3,000,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 5,130	\$ 100,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 109,774	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 672,992	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 27,203	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 53,479	\$ 5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 4,340	\$ 1,164,639
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 256,646	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 61,571	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 854,318	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 156,913	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 106,296	\$ 21,000,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 3,139	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 586,346	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 41,608	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 2,245,098	\$ 42,000,000
				Total	\$ 5,608,077 \$ 337,537,996

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
1040115	Carter JCT Capcitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010

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

Reservation	Upgrade Name	COD	EOC
1040115	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	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
1040115	HELZER TO KNOLL 230KV	6/1/2006	6/1/2007
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	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
MIDW AG1-2006-088

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
MIDW	1034625	KCPL	WR	50	6/1/2010	6/1/2030	12/1/2010	12/1/2030	\$ 9,000,000	\$ -	\$ 7,317,860	\$ 358,696,981
									\$ 9,000,000	\$ -	\$ 7,317,860	\$ 358,696,981

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1034625	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 69,116	\$ 1,143,587	
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 11,134	\$ 7,520,000	
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 234,111	\$ 10,560,000	
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV	6/1/2011	6/1/2011	\$ 923,734	\$ 3,000,000	
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 64,270	\$ 3,100,000	
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 361,968	\$ 3,000,000	
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 97,039	\$ 850,000	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 147,794	\$ 61,850,000	
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 5,974	\$ 2,500,000	
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 39,365	\$ 5,000,000	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 31,500	\$ 8,727,217	
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 501,577	\$ 10,000,000	
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 306,158	\$ 31,000,000	
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 207,397	\$ 21,000,000	
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 524,352	\$ 6,000,000	
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 6,259	\$ 10,318,679	
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 3,241	\$ 650,000	
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 372,596	\$ 90,000,000	
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 174,238	\$ 23,158,819	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 27,390	\$ 10,318,679	
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 3,187,117	\$ 42,000,000	
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 21,530	\$ 7,000,000	
				Total	\$ 7,317,860	\$ 358,696,981

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
1034625	Carter JCT Capcitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	STRANGER CREEK - NW LEAVENWORTH 115KV	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
1034625	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	6/1/2006	6/1/2006

CUSTOMER Study Number
KMEA AG1-2006-089

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KMEA	1034542	KCPL	KCPL	136	6/1/2006	6/1/2016	3/1/2008	3/1/2018	\$ 8,460,000	\$ -	\$ 3,775,420	\$ 13,890,000
									\$ 8,460,000	\$ -	\$ 3,775,420	\$ 13,890,000

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1034542	AFTON (AFTAUT01) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006	3/1/2008	\$ 175,228	\$ 890,000	
	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016	\$ 141,703	\$ 700,000	
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 90,589	\$ 3,800,000	
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2016	6/1/2016	\$ 3,367,900	\$ 8,500,000	
				Total	\$ 3,775,420	\$ 13,890,000

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

Reservation	Upgrade Name	COD	EOC
1034542	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015
	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	ARCADIA - REDBUD 345 KV 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
1034542	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008

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

CUSTOMER Study Number
 GSEC AG1-2006-094

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
GSEC	1034404	SECI	SPS	400	2/1/2011	2/1/2041	2/1/2011	2/1/2041	\$ 45,540,000	\$ -	\$ 52,556,826	\$ 305,134,862
									\$ 45,540,000	\$ -	\$ 52,556,826	\$ 305,134,862

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034404	Chickasaw Capacitors & Tower Heights Capacitors	6/1/2016	6/1/2016	\$ 27,191	\$ 90,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 23,557	\$ 153,114
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 17,158	\$ 100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 683,776	\$ 3,200,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 93,630	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 10,902,266	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 440,674	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 52,655	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 8,075,231	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 1,989,856	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 1,026,649	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 7,428,137	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 5,031,964	\$ 21,000,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 61,447	\$ 6,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 2,102,864	\$ 10,318,679
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 86,102	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 9,899,615	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 3,115,142	\$ 10,318,679
	Wolforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 1,498,912	\$ 7,000,000
				Total	\$ 52,556,826 \$ 305,134,862

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
1034404	Carter JCT Capcitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	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
1034404	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV 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
1034404	Remove Reactor	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
GSEC AG1-2006-095

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
GSEC	1034476	CSWS	CSWS	10	8/1/2006	8/1/2036	12/1/2010	11/30/2040	\$ -	\$ -	\$ 4,497,563	\$ 340,956,981
									\$ -	\$ -	\$ 4,497,563	\$ 340,956,981

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034476	ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011	\$ 13,971	\$ 500,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 2,594	\$ 1,143,587
	Bowers Project	6/1/2006	2/1/2009	\$ 3,000,000	\$ 6,000,000
	BROWN - RUSSETT 138KV CKT 1	6/1/2011	6/1/2011	\$ 3,290	\$ 100,000
	Chickasaw Capacitors & Tower Heights Capacitors	6/1/2016	6/1/2016	\$ 1,999	\$ 90,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 8,069	\$ 2,200,000
	DAINGERFIELD - JENKINS REC T 69KV CKT 1	6/1/2010	6/1/2010	\$ 3,573	\$ 15,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 15,718	\$ 10,560,000
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011	\$ 11,537	\$ 850,000
	HAMON BUTLER - MOREWOOD 69KV CKT 1	4/1/2007	6/1/2008	\$ 112,273	\$ 3,400,000
	Headley 4 Mvar DVAR	6/1/2007	6/1/2007	\$ 500,000	\$ 1,000,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 153,633	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 6,210	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 6,409	\$ 5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 38,766	\$ 8,727,217
	Russell Switch Capacitor	6/1/2011	6/1/2011	\$ 966	\$ 75,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 69,125	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 46,827	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 13,932	\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 1,331	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 227,096	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 83,284	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 19,274	\$ 10,318,679
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010	6/1/2010	\$ 21,693	\$ 1,500,000
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 124,749	\$ 42,000,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 11,244	\$ 7,000,000
	Total			\$ 4,497,563	\$ 340,956,981

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
1034476	Carter JCT Capcitor	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
1034476	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009
	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
1034476	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	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
GSEC AG1-2006-096

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
GSEC	1034489	CSWS	CSWS	10	8/1/2006	8/1/2036	12/1/2010	11/30/2040	\$ -	\$ -	\$ 4,497,563	\$ 340,956,981
									\$ -	\$ -	\$ 4,497,563	\$ 340,956,981

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034489	ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011	\$ 13,971	\$ 500,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 2,594	\$ 1,143,587
	Bowers Project	6/1/2006	2/1/2009	\$ 3,000,000	\$ 6,000,000
	BROWN - RUSSETT 138KV CKT 1	6/1/2011	6/1/2011	\$ 3,290	\$ 100,000
	Chickasaw Capacitors & Tower Heights Capacitors	6/1/2016	6/1/2016	\$ 1,999	\$ 90,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 8,069	\$ 2,200,000
	DAINGERFIELD - JENKINS REC T 69KV CKT 1	6/1/2010	6/1/2010	\$ 3,573	\$ 15,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 15,718	\$ 10,560,000
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011	\$ 11,537	\$ 850,000
	HAMON BUTLER - MOREWOOD 69KV CKT 1	4/1/2007	6/1/2008	\$ 112,273	\$ 3,400,000
	Headley 4 Mvar DVAR	6/1/2007	6/1/2007	\$ 500,000	\$ 1,000,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 153,633	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 6,210	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 6,409	\$ 5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 38,766	\$ 8,727,217
	Russell Switch Capacitor	6/1/2011	6/1/2011	\$ 966	\$ 75,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 69,125	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 46,827	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 13,932	\$ 10,318,679
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 1,331	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 227,096	\$ 90,000,000
	Tuco - Tolk 345KV	4/1/2007	12/1/2009	\$ 83,284	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 19,274	\$ 10,318,679
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010	6/1/2010	\$ 21,693	\$ 1,500,000
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 124,749	\$ 42,000,000
	Wolfforth - Carlisle 230KV	4/1/2007	4/1/2009	\$ 11,244	\$ 7,000,000
	Total			\$ 4,497,563	\$ 340,956,981

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
1034489	Carter JCT Capcitor	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
1034489	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009
	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
1034489	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	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
KEPC AG1-2006-098

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KEPC	1034434	KCPL	WR	50	6/1/2008	6/1/2013	12/1/2010	12/1/2015	\$ 9,000,000	\$ -	\$ 1,620,169	\$ 297,501,396
									\$ 9,000,000	\$ -	\$ 1,620,169	\$ 297,501,396

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034434	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 79,332	\$ 1,605,500
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 67,835	\$ 4,100,000
	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2014	6/1/2014	\$ 219,452	\$ 3,000,000
	EEC -GRANT 138KV	6/1/2011	6/1/2011	\$ 44,723	\$ 5,400,000
	GRANT - CHISHOLM 138KV	6/1/2011	6/1/2011	\$ 9,110	\$ 1,100,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 21,695	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 877	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 1,757	\$ 5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$ 18,381	\$ 250,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 1,023	\$ 8,727,217
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 253,419	\$ 3,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 10,935	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 7,407	\$ 21,000,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 460,916	\$ 6,000,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 81	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 8,558	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 805	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 413,863	\$ 42,000,000
				Total	\$ 1,620,169 \$ 297,501,396

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
1034434	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011

CUSTOMER Study Number
KEPC AG1-2006-099

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KEPC	1034424	KCPL	WPEK	45	6/1/2007	6/1/2012	6/1/2011	5/31/2016	\$ 8,100,000	\$ -	\$ 4,972,573	\$ 346,696,068
									\$ 8,100,000	\$ -	\$ 4,972,573	\$ 346,696,068

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034424	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 37,666	\$ 1,143,587
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 65,631	\$ 1,605,500
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 12,210	\$ 7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 230,192	\$ 2,200,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 246,423	\$ 10,560,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 111,960	\$ 1,143,587
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 171,550	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 6,934	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 75,188	\$ 5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 23,824	\$ 8,727,217
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 141,761	\$ 3,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 511,487	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 346,492	\$ 21,000,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 84,279	\$ 6,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 19,101	\$ 10,318,679
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 8,591	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 743,827	\$ 90,000,000
	Tuco - Tolk 345KV	4/1/2007	12/1/2009	\$ 332,446	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 56,004	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 1,705,172	\$ 42,000,000
	Wolfforth - Carlisle 230KV	4/1/2007	4/1/2009	\$ 41,835	\$ 7,000,000
				Total	\$ 4,972,573 \$ 346,696,068

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
1034424	Carter JCT Capcitor	6/1/2008	6/1/2008
	HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1	6/1/2006	10/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010

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
1034424	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	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
 KEPC AG1-2006-100

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KEPC	1034420	SPS	WPEK	45	6/1/2007	6/1/2012	6/1/2011	5/31/2016	\$ 8,100,000	\$ -	\$ 9,750,144	\$ 355,210,038
									\$ 8,100,000	\$ -	\$ 9,750,144	\$ 355,210,038

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	
1034420	BC-EARTH INTERCHANGE 115KV	6/1/2011	6/1/2011	\$ 750,000	\$ 750,000	
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 16,690	\$ 1,143,587	
	BOOKER 69KV	6/1/2011	6/1/2011	\$ 750,000	\$ 750,000	
	CHAVES CO 345kV Tap	6/1/2008	6/1/2008	\$ 697,121	\$ 26,139,450	
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 184,362	\$ 2,200,000	
	CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1	12/1/2007	1/1/2008	\$ 5,205	\$ 3,000,010	
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 124,455	\$ 10,560,000	
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 90,144	\$ 1,143,587	
	LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	10/1/2007	1/1/2008	\$ 4,886	\$ 3,000,010	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 1,566,461	\$ 61,850,000	
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 63,317	\$ 2,500,000	
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 6,058	\$ 5,000,000	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 192,142	\$ 8,727,217	
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 994,873	\$ 31,000,000	
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 673,946	\$ 21,000,000	
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 281,709	\$ 10,318,679	
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 13,193	\$ 650,000	
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 1,372,962	\$ 90,000,000	
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 389,113	\$ 23,158,819	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 196,584	\$ 10,318,679	
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 1,376,923	\$ 42,000,000	
				Total	\$ 9,750,144	\$ 355,210,038

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
1034420	HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1	6/1/2006	10/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	4/1/2008

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
1034420	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	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
KEPC AG1-2006-101

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KEPC	1034407	WR	WPEK	45	6/1/2007	6/1/2012	6/1/2011	5/31/2016	\$ 8,100,000	\$ -	\$ 4,144,449	\$ 342,210,568
									\$ 8,100,000	\$ -	\$ 4,144,449	\$ 342,210,568

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034407	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 111,264	\$ 2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 39,023	\$ 1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 164,282	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 81,914	\$ 7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 223,320	\$ 2,200,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 277,351	\$ 10,560,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 110,292	\$ 1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$ 1,347	\$ 20,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 146,690	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 5,929	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 71,280	\$ 5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 20,122	\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 475,142	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 321,871	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 18,414	\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 8,405	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 703,865	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 312,607	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 52,904	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 959,051	\$ 42,000,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 39,376	\$ 7,000,000
				Total	\$ 4,144,449 \$ 342,210,568

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
1034407	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1	6/1/2006	10/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

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
1034407	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	Remove Reactor	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
KEPC AG1-2006-102

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KEPC	1034363	WR	WR	62	6/1/2006	6/1/2011	6/1/2011	5/31/2016	\$ 11,160,000	\$ -	\$ 11,253,921	\$ 378,778,321
									\$ 11,160,000	\$ -	\$ 11,253,921	\$ 378,778,321

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034363	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 153,034	\$ 2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 81,222	\$ 1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 371,973	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 1,387,639	\$ 7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 528,590	\$ 2,200,000
	EEC - GRANT 138KV	6/1/2011	6/1/2011	\$ 848,566	\$ 5,400,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 1,647,212	\$ 10,560,000
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2007	\$ 218,836	\$ 1,100,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2007	\$ 29,428	\$ 150,000
	GRANT - CHISHOLM 138KV	6/1/2011	6/1/2011	\$ 172,856	\$ 1,100,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 12,134	\$ 153,114
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 254,146	\$ 1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$ 4,040	\$ 20,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 340,087	\$ 3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 166,234	\$ 3,000,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 8,328	\$ 100,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 29,806	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 116,265	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 4,699	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 35,645	\$ 5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$ 18,292	\$ 250,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 277,574	\$ 1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 22,011	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 133,285	\$ 3,000,000
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 292,874	\$ 1,200,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 371,812	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 261,773	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 177,330	\$ 21,000,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 1,724	\$ 6,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 6,479	\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 2,684	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 335,365	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 151,193	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 24,322	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 2,747,688	\$ 42,000,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 18,775	\$ 7,000,000
				Total	\$ 11,253,921

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
1034363	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

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
1034363	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	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
KEPC AG1-2006-103

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	E & C Cost of Upgrades Allocated to Customer	Total E & C Cost of Upgrades Assigned to Customer
KEPC	1034394	WR	EDE	6	6/1/2006	6/1/2011	6/1/2011	5/31/2016	\$ 1,080,000	\$ -	\$ 559,062	\$ 294,693,656
									\$ 1,080,000	\$ -	\$ 559,062	\$ 294,693,656

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost
1034394	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 6,984	\$ 1,000,000
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 13,963	\$ 1,900,000
	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 30,268	\$ 2,000,000
	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006	3/1/2008	\$ 266,876	\$ 890,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 22,302	\$ 4,100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 8,711	\$ 10,560,000
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2007	\$ 36,637	\$ 1,100,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2007	\$ 4,955	\$ 150,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 1,159	\$ 1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$ 248	\$ 20,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 8,892	\$ 3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 12,042	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 487	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 2,300	\$ 5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 11,129	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 2,250	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 62,283	\$ 1,200,000
	Speanville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 20,123	\$ 31,000,000
	Speanville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 13,631	\$ 21,000,000
	SUB 291 - BAXTER SPRINGS 12TH ST. - SUB 406 - RIVERTON SOUTH 69KV CKT 1	6/1/2014	6/1/2014	\$ 7,000	\$ 7,000
	Tuco - Northwest 345KV OKGE	4/1/2007	12/1/2010	\$ 172	\$ 650,000
	Tuco - Northwest 345KV SPS	4/1/2007	12/1/2010	\$ 24,750	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 1,900	\$ 10,318,679
				Total	\$ 559,062 \$ 294,693,656

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
1034394	Carter JCT Capacitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 69KV CKT 1	6/1/2007	6/1/2007
	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2006	6/1/2010
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

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

Reservation	Upgrade Name	COD	EOC
1034394	SUB 110 - ORONOJO JCT. (ORONOJO) 161/69/12.5KV TRANSFORMER 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
1034394	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	6/1/2006	6/1/2006

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 Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Total Cost
AEPW	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	Reset Relays @ 36th & Lewis		0 16SP	6/1/2015	6/1/2015	\$15,000
AEPW	ALTUS JUNCTION 69KV Capacitor	Add 9.6 MVAR Capacitor		561 16SP	6/1/2011	6/1/2011	\$500,000
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 wavetraps & jumpers @ Bann. Replace breaker 3300 @ Bann.		0 11SP	6/1/2007	4/1/2008	\$1,000,000
AEPW	BANN - NW TEXARKANA-BANN T 138KV CKT 1	Reset Relays		0 16SP	6/1/2012	6/1/2012	\$15,000
AEPW	BIG SANDY - HAWKINS 69KV CKT 1	Rebuild 5.5 miles of 477 ACSR with 1272 ACSR		0 16SP	6/1/2016	6/1/2016	\$2,750,000
AEPW	BIG SANDY - PERDUE 69KV CKT 1	Rebuild 5.4 miles of 477 ACSR with 1272 ACSR		0 16SP	6/1/2016	6/1/2016	\$2,700,000
AEPW	DAINGERFIELD - JENKINS REC 1 69KV CKT 1	Reset Daingerfield relay		0 11SP	6/1/2010	6/1/2010	\$15,000
AEPW	ERCOTN-SPP DC Tie Expansion	Add 200 MW HVDC Tie		0 11WP	5/1/2008	12/1/2010	\$55,000,000
AEPW	FIXICO TAP - MAUD 138KV CKT 1 AEPW	Rebuild 11.83 miles of 3/0 shielded Copperweld with 795 ACSR		0 16SP	6/1/2014	6/1/2014	\$5,500,000
AEPW	FOREST HILLS REC - MAGNOLIA TAP 69KV CKT 1	Replace switch # 9116 @ Magnolia Tap		0 16SP	6/1/2016	6/1/2016	\$125,000
AEPW	FOREST HILLS REC - QUITMAN 69KV CKT 1	Replace Quitman bus, switches & jumpers. Change CT & relay settings @ Quitman		0 16SP	6/1/2013	6/1/2013	\$250,000
AEPW	Headley 4 Mvar DVAR	Install a new 4 Mvar DVAR		0 11WP	6/1/2007	6/1/2007	\$1,000,000
AEPW	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	Replace Hobart Jct. Wavetraps		10 16SP	6/1/2011	6/1/2011	\$100,000
AEPW	LONE STAR SOUTH - PITTSBURG 138KV CKT 1	Replace wavetraps at both ends. Reset CTs @ Lone Star South Replace switches & reset relays @ Pittsburg		0 16SP	6/1/2015	6/1/2015	\$300,000
AEPW	MAGNOLIA TAP - WINNSBORO 69KV CKT 1	Replace switch # 9114 @ Magnolia Tap. Replace switches @ Winnsboro. Reset Cts and relay settings at Winnsboro.		0 16SP	6/1/2016	6/1/2016	\$400,000
AEPW	SPP-ERCOTE DC Tie Expansion	Add 25 MW HVDC Tie		0 07SH	1/1/2007	12/1/2010	\$24,000,000
EMDE	CARTHAGE - SUB 109 - ATLAS JCT. 161KV CKT 1	Tie Line. Reconstruct and replace 8.2 miles of 556 ACSR with Bundled 556 ACSR.		0 16SP	6/1/2015	6/1/2015	\$3,730,000
EMDE	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	Replace 600 amp disconnects and leads to breaker #6965 @ Joplin #64		0 11SP	6/1/2011	6/1/2011	\$55,000
EMDE	SUB 291 - BAXTER SPRINGS 12TH ST. - SUB 406 - RIVERTON SOUTH 69KV CKT 1	Change Relay Settings at Baxter W. #27		3 16SP	6/1/2014	6/1/2014	\$7,000
GRDA	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	Replace 50 MVA Transformer with 84 MVA unit		0 06SP	6/1/2006	3/1/2008	\$890,000
GRDA	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	Rebuild line between Kerr and Siloam Spring		33 16SP	6/1/2016	6/1/2016	\$8,500,000
KACP	COLLEGE - CRAIG 161KV CKT 1	Reconductor 4 miles with 1192.5 ACSS, 558 normal/emergency rating and upgrade breaker.		291 16SP	6/1/2016	6/1/2016	\$700,000
KACP	SOUTH WAYERLY 161/69KV TRANSFORMER CKT 1	replace existing transformer with larger un		0 07SH	6/1/2007	10/1/2007	\$500,000
KIDW	KNOX 230/115KV TRANSFORMER CKT 2	Install 2nd 230/115KV Transformer at Kno		332 16SP	6/1/2008	6/1/2008	\$1,300,000
MIPU	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	Conductor		0 06SP	6/1/2006	12/1/2007	\$1,300,000
MIPU	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	Conductor		0 06SP	6/1/2006	12/1/2007	\$1,605,500
MIPU	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	Wave Trap		0 06SP	6/1/2006	6/1/2007	\$50,000
MIPU	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	Upgrade to bundled 795 26/7 ACSR conducto		0 08SP	6/1/2006	10/1/2007	\$4,244,500
MIPU	RALPH GREEN 12MVAR CAPACITOR	12MVAR at Ralph Green		64 08SP	6/1/2008	6/1/2008	\$350,000
OKGE	ALVA - KNOBHILL 69KV CKT 1	Replace bus differential relaying and increase CTR to 600A.		115 08SP	6/1/2008	6/1/2008	\$100,000
OKGE	CANADIAN - CEDAR LANE 138KV CKT 1	Replace 800A trap at Cedar Lane		105 16SP	6/1/2012	6/1/2012	\$50,000
OKGE	CHEROKEE PL. TAP - CONTINENTAL BLACKS 69KV CKT 1	Reconstruct and replace 1.54 miles of 477AS33 conductor with 795AS33.		402 16SP	6/1/2016	6/1/2016	\$462,000
OKGE	Chickasaw Capacitors & Tower Heights Capacitors	Increase Chickasaw Capacitors to 45MVAR and increase Tower Heights capacitors to a total of 6MVAR.		1956 16SP	6/1/2016	6/1/2016	\$90,000
OKGE	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	Rebuild & Reconductor 0.57 Miles of 477AS33 to 477 ACCC/TW		167 16SP	6/1/2015	6/1/2015	\$100,000
OKGE	FAIRMONT TAP - WOODRING 138KV CKT 1	Reconductor .75 with ACCC conductor. Increase CTRs to a least 1600-5 ratio. Line relays will need to check to determine if replacement is needed.		0 11SP	6/1/2011	6/1/2011	\$850,000
OKGE	FIXICO TAP - MAUD 138KV CKT 1 OKGE	Upgrade the CT ratio to 800#		0 16SP	6/1/2014	6/1/2014	\$20,000
OKGE	KNOBHILL (KNOBHILL4) 138/69/13.2KV TRANSFORMER CKT 1	Replace bus tie with 100MVA transformer		67 08SP	6/1/2007	6/1/2008	\$1,500,000
OKGE	PARK LANE - SEMINOLE 138KV CKT 1	Replace 1200CT and 1600 Amp switch with 2000Amp equipment.		484 16SP	6/1/2015	6/1/2015	\$100,000
OKGE	Tuco - Northwest 345KV OKGE	Build new 345KV line from Tuco to Northwest		0 06WP	4/1/2007	12/1/2010	\$650,000
OKGE	WAIKOMIS TAP - WOODRING 138KV CKT 1	Reconductor 2.75 miles of line with Drake ACCC conductor and increase CTR.		0 11SP	6/1/2010	6/1/2010	\$1,500,000
SPRM	BROOKLINE - JUNCTION 161KV CKT 1	Reconductor 1192 AAC with 1158.4 ACSS/TW		0 16SP	6/1/2015	6/1/2015	\$1,000,000
SPRM	JAMES RIVER - SEMINOLE 69KV CKT 1	Reconductor 636 ACSR with 762.8 ACSS/TW		0 11SP	6/1/2010	6/1/2010	\$1,600,000
SPS	BC-EARTH INTERCHANGE 115KV	Install 1 - 14.4 MVar capacitor bank		0 16SP	6/1/2011	6/1/2011	\$750,000
SPS	BOOKER 69KV	Install 1 - 7.2 MVar capacitor bank at Booker 69 kV Tap Elk City - Grapevine. New line from Stalene Tap to Grave Co. New 115/69kVmr at Graves Co.		28 11SP	6/1/2011	6/1/2011	\$750,000
SPS	Bowers Project			0 07WP	6/1/2006	2/1/2009	\$6,000,000
SPS	CHAVES 230KV SVC	Add +150/-50 SVC at Chaves County Interchange 230 kV bus		0 08SP	6/1/2008	6/1/2008	\$10,400,000
SPS	CHAVES CO 345kv Tap	Build a new 57 mile 345 kV line from Chaves County Interchange to a New Substation, on the Tolk to EDDY 345 kV line, which requires two 345 kV terminals and a 345/230 kV transformer.		0 16SP	6/1/2008	6/1/2008	\$26,139,450
SPS	CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1	Add 2nd 150 MVA transformer at Cunningham		0 11WP	12/1/2007	1/1/2008	\$3,000,010
SPS	LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	Add 2nd 150 MVA transformer at Lea Co Intg		0 07FA	10/1/2007	1/1/2008	\$3,000,010
SPS	LEA COUNTY INTERCHANGE 230KV CAPACITORS	Install 2 - 50 Mvar capacitor banks on the 230 kV bus at Lea County Interchange		0 08SP	6/1/2008	6/1/2008	\$1,381,023
SPS	Mooreland - Potter 345 kv SPS	New 345 kV line from Potter to Mooreland on wooden h-frame structures.		0 06WP	4/1/2007	12/1/2009	\$61,850,000
SPS	Mooreland 345/138 kv Transforme	New Mooreland 345/138 kv Transforme		0 06WP	4/1/2007	12/1/2009	\$5,000,000
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 08SP	6/1/2008	6/1/2008	\$1,742,892
SPS	Potter - Tolk 345KV	New 345 kV circuit from Potter - Tolk using 2-795 ACSR on wooden h-frame structures.		102 11WP	4/1/2007	4/1/2009	\$36,377,173
SPS	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	New 345/230 kv 560 MVA transformer		0 06WP	4/1/2007	4/1/2009	\$8,727,217
SPS	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	Install 2nd 345/230 kv at Tolk		0 07WP	4/1/2007	4/1/2009	\$10,318,879
SPS	Tuco - Northwest 345KV SPS	Build new 345KV line from Tuco to Northwest		0 06WP	4/1/2007	12/1/2010	\$90,000,000
SPS	Tuco - Tolk 345KV	Build new 345KV line from Tuco to Tolk		0 07WP	4/1/2007	12/1/2009	\$23,158,819
SPS	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	Install 345/115 kV Transformer at Tuco		0 06WP	4/1/2007	4/1/2009	\$10,318,879
SPS	Wofforth - Carlisle 230KV	Close 230KV loop around Lubbock, T.		0 07WP	4/1/2007	4/1/2009	\$7,000,000

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

SUNC	MINGO CAPACITOR	Install 16 MVAR Capacitor Bank at Mingo 5642t	491	11SP	6/1/2011	6/1/2011	\$850,000
SUNC	Spearville - Mooreland 345 KV SUNC	New 345 kv line from Spearville to Kansas/Oklahoma State line	0	06WP	4/1/2007	12/1/2009	\$31,000,000
WEPL	BELOIT 115KV CAPACITOR	Install capacitor at Beloit	118	06SP	6/1/2008	6/1/2008	\$1,143,587
WEPL	CLAY CENTER - GREENLEAF 115KV CKT 1	Building a new 115 KV tie with Westar from Greenleaf to Clay Center	0	07WP	6/1/2006	6/1/2007	\$7,520,000
WEPL	ELLSWORTH 230KV TAP	Build a new 230/115 kv Sub at Ellsworth tapped with the 230 kv line	118	07SP	6/1/2007	6/1/2008	\$10,560,000
WEPL	GREENSBURG - JUDSON LARGE 115KV CKT 1	Replace relaying	0	06SP	6/1/2006	12/1/2006	\$153,114
WEPL	HARPER CAPACITOR	20MVAR at Harper 138KV	234	06SP	6/1/2006	6/1/2007	\$1,143,587
WEPL	HARPER CAPACITOR	23MVAR at Harper 138KV	234	06SP	6/1/2006	6/1/2008	\$1,143,587
WEPL	HARPER CAPACITOR	20MVAR at Harper 138KV	234	06SP	6/1/2006	6/1/2011	\$1,143,587
WEPL	MEDICINE LODGE - SUN CITY 115KV CKT 1	Upgrade CTs and Wave Trap Limit	0	07SH	6/1/2006	6/1/2007	\$100,000
WEPL	MEDICINE LODGE (MED-LDG4) 138/115/2 72KV TRANSFORMER CKT 1	Upgrade to 100MVA transforme	154	06FA	10/1/2006	12/1/2007	\$3,200,000
WEPL	PLAINVILLE CAPACITOR	Install capacitor at plainvill	221	16SP	6/1/2008	6/1/2008	\$1,164,639
WEPL	SPEARVILLE - KINSLEY 115KV	Build 115 kv tie line from Spearville to Kinsle	231	11WP	6/1/2008	6/1/2008	\$10,000,000
WERE	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	Tear down and rebuild 3.66 mile 166-Jaggard 115 kv lin	0	11SP	12/1/2007	12/1/2007	\$1,000,000
WERE	166TH STREET - JARBALC JUNCTION SWITCHING STATION 115KV CKT 1	Tear down and rebuild 7.22 mile Jarbalo-166 115 kv lin	0	08SP	6/1/2008	6/1/2008	\$1,900,000
WERE	17TH STREET TRANSFORMER CKT 2	Install second 138-69 kv transforme	0	16SP	6/1/2012	6/1/2012	\$2,400,000
WERE	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	Rebuild 7.61 miles from 95th & Waverly-Captain Junction 11f kv line.	0	07WP	12/1/2007	12/1/2007	\$2,000,000
WERE	ARKANSAS CITY - PARIS 69KV CKT 1	Replace disconnect switches and jumpers at Paris and Ark City	104	11SP	6/1/2006	11/1/2006	\$50,000
WERE	ARKANSAS CITY - SUMNER COUNTY NO. 5 SILVERDALE 69KV CKT 1	Breaker, Disconnect, CT, and Jumper	367	16SP	6/1/2015	6/1/2015	\$115,000
WERE	HELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	Rebuild 7.3 miles of line.	150	08SP	12/1/2007	12/1/2007	\$2,000,000
WERE	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	Reset terminal equipmen	10	16SP	10/1/2007	10/1/2007	\$40,000
WERE	CHASE - WHITE JUNCTION 69KV CKT 1	Rebuild	275	16SP	6/1/2016	6/1/2016	\$1,650,000
WERE	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	Rebuild 15.15 mile line with 1192.5 kcmil ACSR and replacr CTs	0	06FA	10/1/2006	6/1/2009	\$4,100,000
WERE	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	Tear down / Rebuild 2.07-mile line with 954 kcmil ACSI	154	07WP	12/1/2007	12/1/2007	\$500,000
WERE	CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	Tear down / Rebuild 9.1-mile lin	109	06SH	6/1/2006	6/1/2007	\$2,650,000
WERE	CITY OF WINFIELD - RAINBOW 69KV CKT 1	Rebuild-Winfield line	142	06SH	6/1/2006	6/1/2007	\$900,000
WERE	CLEARWIT - GILL ENERGY CENTER WEST 138KV CKT 1	723	08SP	6/1/2008	6/1/2008	\$2,200,000	
WERE	COFFEYVILLE SUB - DEARING 69KV CKT 1	0707AP	0	07AP	4/1/2007	4/1/2007	\$60,000
WERE	CRESWELL - NEWKIRK 138KV CKT 1	Rebuild Creswell-Newkirk 13t	660	16SP	6/1/2016	6/1/2016	\$3,800,000
WERE	CRESWELL - OAK 69KV CKT 1	Rebuild substations	134	06SH	6/1/2006	6/1/2007	\$143,000
WERE	CRESWELL - PARIS 69KV CKT 1	Rebuild substations	144	11SP	6/1/2006	6/1/2007	\$300,000
WERE	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	Rebuild 9.43 mile Creswell-SC4 Rome as a 138 kv line bu operate at 69 kv.	101	06SH	6/1/2006	2/1/2008	\$2,750,000
WERE	CRESWELL (CRESWILT1X) 138/69/13.2KV TRANSFORMER CKT 1	Replace transformers	176	16SP	6/1/2014	6/1/2014	\$3,000,000
WERE	EEC -GRANT 138KV	Construct EEC-Grant-Chisholm 138 kv	0	16SP	6/1/2011	6/1/2011	\$5,400,000
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	0	11SP	6/1/2011	6/1/2011	\$3,000,000
WERE	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	Rebuild Gill-Gill Jc	0	11SP	6/1/2007	6/1/2007	\$1,100,000
WERE	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	Replace wave trap	0	16SP	6/1/2013	6/1/2013	\$20,000
WERE	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	Replace substitution bus and jumpers at MacArthur 69 kv	0	11SP	6/1/2007	6/1/2007	\$150,000
WERE	GRANT - CHISHOLM 138KV	Construct EEC-Grant-Chisholm 138 kv	0	16SP	6/1/2011	6/1/2011	\$1,100,000
WERE	HOOK JCT - TEJUMSEH ENERGY CENTER 115KV CKT 1	Replace wave traps on TEC-County Line 115 kv line	0	16SP	6/1/2006	12/1/2006	\$20,000
WERE	KELLY - SOUTH SENECA 115KV CKT 1	Rebuild 10.28 mile line with 1192.5 kcmil ACSR and replacr CTs.	321	11SP	6/1/2010	6/1/2010	\$3,100,000
WERE	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	NE Parsons bus & jumpers	746	16SP	6/1/2015	6/1/2015	\$250,000
WERE	OAK - RAINBOW 69KV CKT 1	Oak-Rainbow rebuil	136	11SP	6/1/2006	2/1/2007	\$1,500,000
WERE	REDISPATCH FOR WOLF CREEK OUTAGE 07WP		573	07WP	12/1/2007	4/1/2008	
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	08SP	6/1/2006	6/1/2007	\$1,500,000
WERE	RICHLAND - UDALL 69KV CKT 1	Richland-Udall rebuil	0	11SP	6/1/2007	5/1/2008	\$2,300,000
WERE	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	Add third 345-138 kv transformer at Rose Hi	0	16SP	6/1/2008	6/1/2008	\$3,000,000
WERE	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 4.09 mile SW Lawrence-Wakarusa 115 kv lin	0	08SP	6/1/2008	6/1/2008	\$1,200,000
WERE	STRANGER CREEK TRANSFORMER CKT 2	Install 2nd 21m	0	11SP	6/1/2008	6/1/2008	\$6,000,000
WERE	TIMBER JUNCTION - UDALL 69KV CKT 1	Udall-Timber rebuil	37	11SP	7/1/2007	7/1/2007	\$600,000
WERE	WELLINGTON CAPACITOR	Wellington reactive suppor	182	07SH	6/1/2007	6/1/2007	\$600,000
WERE	Wichita - Reno Co 345KV	Build 345kv from Wichita to Reno Co	0	08SP	6/1/2006	12/1/2010	\$42,000,000
WFEC	ANADARKO - CYRIL 69KV CKT 1	Reconductor 13 miles from 336 to 795 ACSF	0	08SP	6/1/2008	6/1/2008	\$3,250,000
WFEC	ANADARKO 138/69KV TRANSFORMER CKT 1	Install 2nd 112 MVA auto in parallel with existing Un	32	16SP	6/1/2011	6/1/2011	\$2,000,000
WFEC	BROWN - RUSSETT 138KV CKT 1	Upgrade Terminal Equipment at Brown- Switches/Wavetraps	164	11SP	6/1/2011	6/1/2011	\$1,000,000
WFEC	FT SUPPLY - WOODWARD 69KV CKT 1	Reconductor 18.0 miles from 336 to 795 ACSF	77	07AP	4/1/2007	2/1/2008	\$4,500,000
WFEC	FT SUPPLY 138/69KV TRANSFORMER CKT 1	Install 2nd 70 MVA auto at Ft Suppl	58	07AP	12/1/2008	6/1/2007	\$1,500,000
WFEC	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	Terminal Upgrade at Mooreland CTS	196	08SP	6/1/2007	6/1/2007	\$50,000
WFEC	HAMON BUTLER - MOREWOOD 69KV CKT 1	Reconductor 1/0 to 336 ACSR - 15.0 mile	28	16SP	4/1/2007	6/1/2008	\$3,400,000
WFEC	Mooreland - Potter 345 kv WFEC	345 kv line Termina	0	06WP	4/1/2007	12/1/2009	\$2,500,000
WFEC	Mooreland 345/138 kv Transforme	New Mooreland 345/138 kv Transforme	0	06WP	4/1/2007	12/1/2009	\$5,000,000
WFEC	Russell Switch Capacito	Increase 12 to 18 MVARs at Russell Switc	559	16SP	6/1/2011	6/1/2011	\$75,000
WFEC	Spearville - Mooreland 345 kv WFEC	New 345 kv line from Kansas/Oklahoma State line to Mooreland	0	06WP	4/1/2007	12/1/2009	\$21,000,000
WFEC	WALTERS 69KV	Install 6 MVAR Cap Bank at Walter	52	16SP	6/1/2016	6/1/2016	\$200,000
WPEK	WASHINGTON 1800 KVAR CAPACITOR	Install 1800 kVAR outside the city of Washington sul	0	07SP	6/1/2007	6/1/2007	\$75,000

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 Date 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 06/200		06SP	6/1/2006	6/1/2009
AEPW	NORTH MINEOLA - WINNSBORO 69KV CKT 1	New 138 kv Line with 6/107 In-Service Dat		06SP	6/1/2006	6/1/2007
KACP	LACYGNE-PAOLA-WEST GARDER 345KV	New 345/161kv transformer and 345kv line tapping LaCyne West Gardner 345kv	249	07SH	6/1/2007	6/1/2008
MIDW	HEIZER TO KNOLL 230KV			16WP	6/1/2006	6/1/2007
MIPU	IATAN - ST JOE 345KV CKT 1	Circuit Breaker	915	11WP	12/1/2011	4/1/2007
MIPU	IATAN5 161 - PLATTE CITY 161KV CKT 1	Terminal Equipmen	0	11WP	6/1/2010	6/1/2010
SUNC	Remove Reactor		185	06SH	6/1/2008	6/1/2008
SUNC	RULETON 115KV CAPACITOR	12 MVAR Capacitor Bank at Ruleton 56373 will be in service summer 2006	15	06SP	6/1/2006	6/1/2006
WEPL	PHILLIPSBURG TO RHOADES 115KV		30	06SP	6/1/2006	6/1/2008
WERE	GILL ENERGY CENTER WEST - PECK 69KV	Rebuild 10.46 mile Gill-Peck line 138 kv line, but operated at 6 kv	121	06FA	6/1/2006	6/1/2007
WERE	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	Replace Midian 138-69 kv transformer	102	06SP	6/1/2006	6/1/2007
WERE	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	Rebuild 5.73 mile Weaver-Rose Hill Junction as a 138 kv linr but operate at 69 kv.	108	06SH	6/1/2006	6/1/2007

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 Date 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 wavetraps & jumpers with 2156 ACSR. Replace Switch 2285 @ Alumax Tap.		0 07SP		6/1/2006 3/1/2008
AEPW	LINWOOD - MCWILLIE STREET 138KV CKT 1	Rebuild 2.09 miles of 666 ACSR with 1272 ACSR		0 07SP		6/1/2007 4/1/2008
AEPW	MINEOLA - NORTH MINEOLA 69KV CKT 1	Replace Mineola Switch & Breaker		0 11SP		6/1/2011 6/1/2011
AEPW	NORTHWEST HENDERSON - POYNTER 69KV CKT 1	Rebuild 3.22 miles of 397 ACSR with 795 ACSR		0 16SP		6/1/2016 6/1/2016
EMDE	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1	Replace Jumpers to breaker #6950 at Blackhawk Jc		0 16SP		6/1/2012 6/1/2012
EMDE	NEOSHO - SUB 184 - NEOSHO SOUTH JCT. 161KV CKT 1	2006 - 2010 Replace Metering CTs at Neosho SP/		0 08SP		6/1/2008 6/1/2006
EMDE	Nichols - Republic North	Data for Line from Nichols 59542 to Republic North 5957		5 16SP		6/1/2016 6/1/2016
EMDE	Republic North - Republic East	Data for Line from Republic North 59576 to Republic East 59589		5 16SP		6/1/2016 6/1/2016
EMDE	RIVERSIDE CAPACITOR	Install 3 - stages of 22 MVAR each for a total of 66 MVAR capacitor bank at Riverside Sub #438 59497		7 16SP		6/1/2016 6/1/2016
EMDE	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CKT 1	Change CT Ratio on breaker #6936 at Aurora #12.		0 11SP		6/1/2011 6/1/2011
EMDE	SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 69KV CKT 1	Change Relay Settings and change jumpers on switch a Riverton Sub #406		0 11SP		6/1/2007 6/1/2007
EMDE	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	Replace 75 MVA Auto-xfmr at Joplin SW with 150 MVA Auto-xfmr and install 69 kv bank breaker. Auto-xfmr will have an impedance similar to Aurora 59468, 59537, 59704.		0 06SP		6/1/2006 6/1/2010
EMDE	SUB 390 - PURDY SOUTH 69KV	Instali 2 - stages 6 MVAR each for a total of 12 MVAR capacitor bank at Purdy #390 59404		0 16SP		6/1/2016 6/1/2016
GRDA	GRAY TAP - PENSACOLA 69KV CKT 1	Rebuild of Pensacola - Jayline (not owned by GRDA -- have tried to convince owner)		0 06SP		6/1/2006 6/1/2007
KACP	AVONDALE - GLADSTONE 161KV CKT 1	Replace 800 amp wavetraps at Gladstone with 1200 am wavetraps		131 16SP		6/1/2012 6/1/2012
MIPU	ANACONDA - FREEMAN 69KV CKT 1	Conductor		0 06SP		6/1/2006 6/1/2008
MIPU	ANACONDA - HARRISONVILLE WEST 69KV CKT 1	Conductor		0 06SP		6/1/2006 12/1/2007
MIPU	EAST 20MVAR CAPACITOR			155 11SP		6/1/2011 6/1/2011
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		6/1/2011 6/1/2011
OKGE	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	Add 2nd 345/161 KV 369MVA transformer		32 16SP		6/1/2016 6/1/2016
OKGE	PENNSYLVANIA - WESTMOORE 138KV CKT 1	Replace the disconnect switches for breaker 108 a Pennsylvania Substation. Replace the 1200A trap. Increase CTR. Relay replacement may be required.		49 07FA		10/1/2007 6/1/2008
SPRM	KICKAPOO - SUNSET 69KV CKT 1	Reconductor 636 ACSR with 762.8 ACSS/TW		0 11SP		6/1/2011 6/1/2011
SPRM	NEERGARD - NORTON 69KV CKT 1	Reconductor 363 ACSR with 477 ACSS/TW		0 11SP		6/1/2011 6/1/2011
SPS	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 1	Upgrade 115/69 kv transformer		0 07SP		6/1/2007 6/1/2008
SPS	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 2	Upgrade 115/69 kv transformer		40 16SP		6/1/2007 6/1/2008
SPS	Seven Rivers to Pecos to Potash Junction 230kv	Seven Rivers to Pecos to Potash Junction 230kv		0 08WP		6/1/2007 4/1/2008
SPS	SNANDR3 115KV	Install 1 - 14.4 Mvar capacitor bank on the 115 kv bus at Sar Andreas.		0 08WP		6/1/2008 6/1/2008
SPS	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	Upgrade Transformer 230/115 kv 252 MVA		0 11SP		6/1/2011 6/1/2011
SUNC	HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1	Holcomb to Pioneer Tap Rebuild		96 06SH		6/1/2006 10/1/2007
SWPA	NIXA (NXA X1) 161/69/13.8KV TRANSFORMER CKT 1	Add 161/69kv transformer at Nixa		0 11SP		6/1/2011 6/1/2011
WERE	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	Rebuild 16.86 mile Circleville-Hoyt HTI Junction 115 kv line.		0 06WP		10/1/2006 6/1/2009
WERE	COUNTY LINE (COLINEX) 115/69/34.5KV TRANSFORMER CKT 1	Replace County Line Transformer		4 08WP		12/1/2008 12/1/2008
WERE	DEARING TRANSFORMER CKT 2	Install 2nd 138-69 kv at Dearing		0 11WP		12/1/2011 12/1/2011
WERE	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 1.53-mile Co-op-Wakarusa 115 kv line		0 08SP		6/1/2008 6/1/2008
WERE	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	Install transfer trip relay to automatically open Gill transformer # high side breaker (57044-57796-56733).		0 06SP		6/1/2006 6/1/2007
WERE	JEC - SWISSVALE 345KV	Construct JEC-Swissvale 345 kv line		0 06FA		6/1/2006 12/1/2010
WERE	KELLY - KING HILL N.M. COOP 115KV CKT 1	Reconductor 9.61 mile line with 1192.5 kcmil ACSR and replace CTs.		0 07FA		10/1/2006 4/1/2008
WERE	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	Install second Lawrence Hill 230-115 kv transforme		0 06SP		6/1/2006 4/1/2006
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 07WP		10/1/2006 4/1/2008
WERE	STRANGER CREEK - NW LEAVENWORTH 115KV	Teardown/rebuild Jarbalo-NW Leavenworth 115 kv line w/ll double circuit tap to Stranger Creek		0 11SP		6/1/2011 6/1/2011
WERE	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	Tear down and rebuild 9.84 mile Tecumseh Hill-Stull Tap 115 kv line.		0 07FA		6/1/2006 4/1/2008
WERE	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	Upgrade 0.24 mile TEC-Tecumseh Hill 115 kv line to 100 degree operation.		0 11SP		6/1/2007 12/1/2007
WFEC	Carter JCT Capacitor	Increase 6 to 24 MVAR at Carter JCT		0 08SP		6/1/2008 6/1/2008
WFEC	Snyder Capacitor	Increase 12 to 24 MVAR at Snyder		10 16SP		6/1/2016 6/1/2016

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

Transmission Owner	Upgrade	Solution	Minimum ATC per Upgrade (MW)	Season of Minimum Allocated ATC	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
GRDA	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	Replace 50 MVA Transformer with 84 MVA unit		0 06SP		6/1/2006 3/1/2008
WERE	CRESWELL - OAK 69KV CKT 1	Rebuild substations		134 06SH		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 6 kv		121 06FA		6/1/2006 6/1/2007
WERE	MIDIAN (MIDIANIX) 138/69/13.2KV TRANSFORMER CKT 1	Replace Midian 138-69 kv transformer		102 06SP		6/1/2006 6/1/2007
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 08SP		6/1/2015 6/1/2015
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.		108 06SH		6/1/2006 6/1/2007

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: AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1
 Limiting Facility: AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: AFTON - MIAMI 161KV CKT 1
 Flowgate: AFTTAUTO11521544325443111306SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount												
1034394	0.3	0.3	Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
GRDA	PENSACOLA	1	11	0.00237	GRDA	PENSACOLA	4	11	0.11421	-0.11184	2			
GRDA	PENSACOLA	1	11	0.00237	GRDA	PENSACOLA	5	11	0.11421	-0.11184	2			
GRDA	PENSACOLA	1	11	0.00237	GRDA	PENSACOLA	6	11	0.11421	-0.11184	2			
GRDA	PENSACOLA	2	21	0.00237	GRDA	PENSACOLA	5	11	0.11421	-0.11184	2			
GRDA	PENSACOLA	2	21	0.00237	GRDA	PENSACOLA	6	11	0.11421	-0.11184	2			
GRDA	PENSACOLA	2	21	0.00237	GRDA	PENSACOLA	4	11	0.11421	-0.11184	2			
GRDA	PENSACOLA	3	21	0.00237	GRDA	PENSACOLA	6	11	0.11421	-0.11184	2			
GRDA	PENSACOLA	3	21	0.00237	GRDA	PENSACOLA	5	11	0.11421	-0.11184	2			
GRDA	PENSACOLA	3	21	0.00237	GRDA	PENSACOLA	4	11	0.11421	-0.11184	2			
GRDA	KERR	2	28.5	0.02108	GRDA	PENSACOLA	6	11	0.11421	-0.09313	3			
GRDA	KERR	2	28.5	0.02108	GRDA	PENSACOLA	4	11	0.11421	-0.09313	3			
GRDA	KERR	2	28.5	0.02108	GRDA	PENSACOLA	5	11	0.11421	-0.09313	3			
GRDA	KERR	1	28.5	0.01954	GRDA	PENSACOLA	5	11	0.11421	-0.09467	3			
GRDA	KERR	1	28.5	0.01954	GRDA	PENSACOLA	6	11	0.11421	-0.09467	3			
GRDA	KERR	1	28.5	0.01954	GRDA	PENSACOLA	4	11	0.11421	-0.09467	3			
GRDA	SALINA	6	43	0.01954	GRDA	PENSACOLA	4	11	0.11421	-0.09467	3			
GRDA	SALINA	6	43	0.01954	GRDA	PENSACOLA	5	11	0.11421	-0.09467	3			
GRDA	SALINA	6	43	0.01954	GRDA	PENSACOLA	6	11	0.11421	-0.09467	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

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

Upgrade: AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1
 Limiting Facility: AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: AFTON - MIAMI 161KV CKT 1
 Flowgate: AFTTAUTO11521544325443111307SP
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount												
1034394	0.3	0.3	Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
GRDA	PENSACOLA	1	21	0.00233	GRDA	PENSACOLA	4	11	0.11411	-0.11178	2			
GRDA	PENSACOLA	1	21	0.00233	GRDA	PENSACOLA	5	11	0.11411	-0.11178	2			
GRDA	PENSACOLA	1	21	0.00233	GRDA	PENSACOLA	6	11	0.11411	-0.11178	2			
GRDA	PENSACOLA	2	21	0.00233	GRDA	PENSACOLA	6	11	0.11411	-0.11178	2			
GRDA	PENSACOLA	2	21	0.00233	GRDA	PENSACOLA	5	11	0.11411	-0.11178	2			
GRDA	PENSACOLA	2	21	0.00233	GRDA	PENSACOLA	4	11	0.11411	-0.11178	2			
GRDA	PENSACOLA	3	21	0.00233	GRDA	PENSACOLA	5	11	0.11411	-0.11178	2			
GRDA	PENSACOLA	3	21	0.00233	GRDA	PENSACOLA	4	11	0.11411	-0.11178	2			
GRDA	PENSACOLA	3	21	0.00233	GRDA	PENSACOLA	6	11	0.11411	-0.11178	2			
GRDA	GRDA1 GSU1	1	12.92099	0.01891	GRDA	PENSACOLA	5	11	0.11411	-0.0952	3			
GRDA	GRDA1 GSU1	1	12.92099	0.01891	GRDA	PENSACOLA	6	11	0.11411	-0.0952	3			
GRDA	GRDA1 GSU1	1	12.92099	0.01891	GRDA	PENSACOLA	4	11	0.11411	-0.0952	3			
GRDA	KERR	2	28.5	0.02087	GRDA	PENSACOLA	4	11	0.11411	-0.09324	3			
GRDA	KERR	2	28.5	0.02087	GRDA	PENSACOLA	5	11	0.11411	-0.09324	3			
GRDA	KERR	2	28.5	0.02087	GRDA	PENSACOLA	6	11	0.11411	-0.09324	3			
GRDA	KERR	1	28.5	0.01931	GRDA	PENSACOLA	6	11	0.11411	-0.0948	3			
GRDA	KERR	1	28.5	0.01931	GRDA	PENSACOLA	5	11	0.11411	-0.0948	3			
GRDA	KERR	1	28.5	0.01931	GRDA	PENSACOLA	4	11	0.11411	-0.0948	3			
GRDA	SALINA	6	43	0.01931	GRDA	PENSACOLA	4	11	0.11411	-0.0948	3			
GRDA	SALINA	6	43	0.01931	GRDA	PENSACOLA	5	11	0.11411	-0.0948	3			
GRDA	SALINA	6	43	0.01931	GRDA	PENSACOLA	6	11	0.11411	-0.0948	3			

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1
 Limiting Facility: AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: AFTON - MIAMI 161KV CKT 1
 Flowgate: AFTTAUTO12521544325443113307FA
 Date Redispatch Needed: 10/1/07 - 12/1/07

Reservation	Relief Amount	Aggregate Relief Amount
977481	0.1	0.2
1032990	0.0	0.2
1032991	0.0	0.2
1032991	0.0	0.2
1034394	0.0	0.2
1034542	0.1	0.2
1037590	0.0	0.2
1037591	0.0	0.2

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
GRDA	GRDA1 GSU1	1	80	0.01891	GRDA	PENSACOLA	4	11	0.11411	-0.0952	2
GRDA	GRDA1 GSU1	1	80	0.01891	GRDA	PENSACOLA	5	11	0.11411	-0.0952	2
GRDA	GRDA1 GSU1	1	80	0.01891	GRDA	PENSACOLA	6	11	0.11411	-0.0952	2
GRDA	GRDA1 GSU2	2	97.92401	0.01269	GRDA	PENSACOLA	5	11	0.11411	-0.10142	2
GRDA	GRDA1 GSU2	2	97.92401	0.01269	GRDA	PENSACOLA	6	11	0.11411	-0.10142	2
GRDA	GRDA1 GSU2	2	97.92401	0.01269	GRDA	PENSACOLA	4	11	0.11411	-0.10142	2
GRDA	KERR	2	28.5	0.02087	GRDA	PENSACOLA	4	11	0.11411	-0.09324	2
GRDA	KERR	2	28.5	0.02087	GRDA	PENSACOLA	5	11	0.11411	-0.09324	2
GRDA	KERR	2	28.5	0.02087	GRDA	PENSACOLA	6	11	0.11411	-0.09324	2
GRDA	KERR	1	28.5	0.01931	GRDA	PENSACOLA	5	11	0.11411	-0.0948	2
GRDA	KERR	1	28.5	0.01931	GRDA	PENSACOLA	6	11	0.11411	-0.0948	2
GRDA	KERR	1	28.5	0.01931	GRDA	PENSACOLA	4	11	0.11411	-0.0948	2
GRDA	PENSACOLA	1	21	0.00233	GRDA	PENSACOLA	4	11	0.11411	-0.11178	2
GRDA	PENSACOLA	1	21	0.00233	GRDA	PENSACOLA	5	11	0.11411	-0.11178	2
GRDA	PENSACOLA	1	21	0.00233	GRDA	PENSACOLA	6	11	0.11411	-0.11178	2
GRDA	PENSACOLA	2	21	0.00233	GRDA	PENSACOLA	4	11	0.11411	-0.11178	2
GRDA	PENSACOLA	2	21	0.00233	GRDA	PENSACOLA	5	11	0.11411	-0.11178	2
GRDA	PENSACOLA	2	21	0.00233	GRDA	PENSACOLA	6	11	0.11411	-0.11178	2
GRDA	PENSACOLA	3	21	0.00233	GRDA	PENSACOLA	5	11	0.11411	-0.11178	2
GRDA	PENSACOLA	3	21	0.00233	GRDA	PENSACOLA	4	11	0.11411	-0.11178	2
GRDA	PENSACOLA	3	21	0.00233	GRDA	PENSACOLA	6	11	0.11411	-0.11178	2
GRDA	SALINA	6	43	0.01931	GRDA	PENSACOLA	5	11	0.11411	-0.0948	2
GRDA	SALINA	6	43	0.01931	GRDA	PENSACOLA	4	11	0.11411	-0.0948	2
GRDA	SALINA	6	43	0.01931	GRDA	PENSACOLA	6	11	0.11411	-0.0948	2

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

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-293107SP
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount											
1019916	2.7	5.3											
1023236	1.2	5.3											
1034259	1.2	5.3											
1037581	0.1	5.3											
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COMANCHE #1	1	96.99999	0.01243	-0.10001	53		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COMANCHE #2	1	63	0.01243	-0.10001	53		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COMANCHE #3	1	63	0.01238	-0.09996	53		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	SOUTHWESTERN STATION #3	1	231	0.01211	-0.09969	53		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	WELSH #1	1	330	0.01229	-0.09987	53		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	WELSH #2	1	330	0.01229	-0.09987	53		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	WELSH #3	1	330	0.01229	-0.09987	53		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	WELEETKA TERTIARY # 4	1	41	0.00961	-0.09719	54		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	WELEETKA TERTIARY # 5	1	29	0.00961	-0.09719	54		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00881	-0.09639	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00881	-0.09639	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COGENTRIX GAS TERTIARY # 3	G	134	0.00881	-0.09639	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00881	-0.09639	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00881	-0.09639	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION # 1-1A	1	47.5	0.00807	-0.09565	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION # 1-1B	1	47.5	0.00807	-0.09565	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION #1	1	45	0.00807	-0.09565	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION #2	1	360	0.00807	-0.09565	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION #3	1	325	0.00806	-0.09564	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION #4	1	320	0.00806	-0.09564	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	RIVERSIDE STATION #1	1	332	0.00877	-0.09635	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	RIVERSIDE STATION #2	1	245	0.00877	-0.09635	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	TULSA POWER STATION # 1	1	75	0.00869	-0.09627	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	TULSA POWER STATION # 4	1	111	0.00869	-0.09627	55		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	FLINT CREEK	1	420	0.00712	-0.0947	56		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	FITZ CT1	1	82	0.00388	-0.09146	58		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	FITZ ST1	1	44	0.00388	-0.09146	58		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	LEBROCK GAS 1	1	211	-0.00884	-0.07874	67		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	LEBROCK GAS 2	1	211	-0.00884	-0.07874	67		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	LEBROCK STEAM 1	1	93	-0.00884	-0.07874	67		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	PIRKEY GENERATION	1	248	-0.01311	-0.07447	71		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	COMANCHE #1	1	96.99999	0.01243	-0.07319	72		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	COMANCHE #2	1	63	0.01243	-0.07319	72		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	COMANCHE #3	1	63	0.01238	-0.07314	72		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	WELSH #1	1	330	0.01229	-0.07305	72		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	WELSH #2	1	330	0.01229	-0.07305	72		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	WELSH #3	1	330	0.01229	-0.07305	72		
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	COMANCHE #1	1	96.99999	0.01243	-0.07319	72		
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	COMANCHE #2	1	63	0.01243	-0.07319	72		
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	COMANCHE #3	1	63	0.01238	-0.07314	72		
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	WELSH #1	1	330	0.01229	-0.07305	72		
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	WELSH #2	1	330	0.01229	-0.07305	72		
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	WELSH #3	1	330	0.01229	-0.07305	72		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	EASTMAN GENERATION A	1	178.5	-0.01561	-0.07197	73		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	EASTMAN GENERATION B	1	176.5	-0.01561	-0.07197	73		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	KNOXLEE #5	1	164	-0.01563	-0.07195	73		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	SOUTHWESTERN STATION #3	1	231	0.01211	-0.07287	73		
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	SOUTHWESTERN STATION #3	1	231	0.01211	-0.07287	73		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	WILKES #3	1	311	-0.01737	-0.07021	75		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	WELEETKA TERTIARY # 4	1	41	0.00961	-0.07037	75		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	WELEETKA TERTIARY # 5	1	29	0.00961	-0.07037	75		
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	WELEETKA TERTIARY # 4	1	41	0.00961	-0.07037	75		
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	WELEETKA TERTIARY # 5	1	29	0.00961	-0.07037	75		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00881	-0.06957	76		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00881	-0.06957	76		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 3	G	134	0.00881	-0.06957	76		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00881	-0.06957	76		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00881	-0.06957	76		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	RIVERSIDE STATION #1	1	332	0.00877	-0.06953	76		
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	RIVERSIDE STATION #2	1	245	0.00877	-0.06953	76		

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	TULSA POWER STATION # 1	1	75	0.00869	-0.06945	76
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	TULSA POWER STATION # 4	1	111	0.00869	-0.06945	76
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00881	-0.06957	76
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00881	-0.06957	76
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 3	G	134	0.00881	-0.06957	76
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00881	-0.06957	76
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00881	-0.06957	76
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	RIVERSIDE STATION #1	1	332	0.00877	-0.06953	76
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	RIVERSIDE STATION #2	1	245	0.00877	-0.06953	76
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	TULSA POWER STATION # 1	1	75	0.00869	-0.06945	76
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	TULSA POWER STATION # 4	1	111	0.00869	-0.06945	76
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	NORTHEASTERN STATION # 1-1A	1	47.5	0.00807	-0.06883	77
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	NORTHEASTERN STATION # 1-1B	1	47.5	0.00807	-0.06883	77
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	NORTHEASTERN STATION #1	1	45	0.00807	-0.06883	77
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	NORTHEASTERN STATION #2	1	360	0.00807	-0.06883	77
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	NORTHEASTERN STATION #3	1	325	0.00806	-0.06882	77
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	NORTHEASTERN STATION #4	1	320	0.00806	-0.06882	77
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	NORTHEASTERN STATION # 1-1A	1	47.5	0.00807	-0.06883	77
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	NORTHEASTERN STATION # 1-1B	1	47.5	0.00807	-0.06883	77
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	NORTHEASTERN STATION #1	1	45	0.00807	-0.06883	77
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	NORTHEASTERN STATION #2	1	360	0.00807	-0.06883	77
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	NORTHEASTERN STATION #3	1	325	0.00806	-0.06882	77
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	NORTHEASTERN STATION #4	1	320	0.00806	-0.06882	77
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	FLINT CREEK	1	420	0.00712	-0.06788	78
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	FLINT CREEK	1	420	0.00712	-0.06788	78
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	FITZ CT1	1	82	0.00388	-0.06464	82
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	FITZ ST1	1	44	0.00388	-0.06464	82
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	FITZ CT1	1	82	0.00388	-0.06464	82
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	FITZ ST1	1	44	0.00388	-0.06464	82
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	LIEBERMAN #3	1	37	-0.02651	-0.06107	87
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	LIEBERMAN #4	1	37	-0.02651	-0.06107	87
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	LEBROCK GAS 1	1	211	-0.00884	-0.05192	102
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	LEBROCK GAS 2	1	211	-0.00884	-0.05192	102
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	LEBROCK STEAM 1	1	93	-0.00884	-0.05192	102
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	LEBROCK GAS 1	1	211	-0.00884	-0.05192	102
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	LEBROCK GAS 2	1	211	-0.00884	-0.05192	102
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	LEBROCK STEAM 1	1	93	-0.00884	-0.05192	102
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	PIRKEY GENERATION	1	248	-0.01311	-0.04765	111
AEPW	WILKES #2	1	37.00711	-0.06076	AEPW	PIRKEY GENERATION	1	248	-0.01311	-0.04765	111
AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	EASTMAN GENERATION A	1	178.5	-0.01561	-0.04515	117

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

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-291106SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount												
1037581	0.3	0.3	Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00899	-0.09818	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00899	-0.09818	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	COGENTRIX GAS TERTIARY # 3	G	69	0.00899	-0.09818	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00899	-0.09818	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00899	-0.09818	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	COMANCHE #1	1	96.99999	0.01245	-0.10164	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	COMANCHE #2	1	63	0.01245	-0.10164	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	COMANCHE #3	1	63	0.0124	-0.10159	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	FITZ CT1	1	82	0.00371	-0.0929	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	FITZ ST1	1	44	0.00371	-0.0929	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	FLINT CREEK	1	420	0.00711	-0.0963	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	NORTHEASTERN STATION # 1-1A	1	47.5	0.008	-0.09719	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	NORTHEASTERN STATION # 1-1B	1	47.5	0.008	-0.09719	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	NORTHEASTERN STATION #1	1	45	0.008	-0.09719	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	NORTHEASTERN STATION #2	1	360	0.008	-0.09719	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	NORTHEASTERN STATION #3	1	315	0.00802	-0.09721	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	NORTHEASTERN STATION #4	1	315	0.00802	-0.09721	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	RIVERSIDE STATION #1	1	332	0.00874	-0.09793	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	RIVERSIDE STATION #2	1	314	0.00874	-0.09793	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	SOUTHWESTERN STATION #1	1	14	0.01212	-0.10131	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	SOUTHWESTERN STATION #2	1	27	0.01212	-0.10131	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	SOUTHWESTERN STATION #3	1	265	0.01212	-0.10131	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	TULSA POWER STATION # 1	1	75	0.00866	-0.09785	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	TULSA POWER STATION # 4	1	147	0.00866	-0.09785	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	WELEETKA TERTIARY # 4	1	18	0.00959	-0.09878	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	WELEETKA TERTIARY # 5	1	37	0.00959	-0.09878	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	WELEETKA TERTIARY # 6	1	40	0.00959	-0.09878	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	WELSH #1	1	320	0.01229	-0.10148	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	WELSH #2	1	320	0.01229	-0.10148	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	WELSH #3	1	320	0.01229	-0.10148	3			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	EASTMAN GENERATION A	1	178.5	-0.01465	-0.07454	4			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	EASTMAN GENERATION B	1	176.5	-0.01465	-0.07454	4			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	KNOXLEE #5	1	266.402	-0.01467	-0.07452	4			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	LEBROCK GAS 1	1	150	-0.00849	-0.0807	4			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	LEBROCK GAS 2	1	165	-0.00849	-0.0807	4			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	LEBROCK STEAM 1	1	50	-0.00849	-0.0807	4			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	NARROWS GENERATOR	1	22	-0.00854	-0.08065	4			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	PIRKY GENERATION	1	243	-0.01267	-0.07652	4			
AEPW	WILKES #1	1	85	-0.06163	AEPW	COMANCHE #1	1	96.99999	0.01245	-0.07408	4			
AEPW	WILKES #1	1	85	-0.06163	AEPW	COMANCHE #2	1	63	0.01245	-0.07408	4			
AEPW	WILKES #1	1	85	-0.06163	AEPW	COMANCHE #3	1	63	0.0124	-0.07403	4			
AEPW	WILKES #1	1	85	-0.06163	AEPW	SOUTHWESTERN STATION #1	1	14	0.01212	-0.07375	4			
AEPW	WILKES #1	1	85	-0.06163	AEPW	SOUTHWESTERN STATION #2	1	27	0.01212	-0.07375	4			
AEPW	WILKES #1	1	85	-0.06163	AEPW	SOUTHWESTERN STATION #3	1	265	0.01212	-0.07375	4			
AEPW	WILKES #1	1	85	-0.06163	AEPW	WELSH #1	1	320	0.01229	-0.07392	4			
AEPW	WILKES #1	1	85	-0.06163	AEPW	WELSH #2	1	320	0.01229	-0.07392	4			
AEPW	WILKES #1	1	85	-0.06163	AEPW	WELSH #3	1	320	0.01229	-0.07392	4			
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	COMANCHE #1	1	96.99999	0.01245	-0.07408	4			
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	COMANCHE #2	1	63	0.01245	-0.07408	4			
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	COMANCHE #3	1	63	0.0124	-0.07403	4			
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	SOUTHWESTERN STATION #1	1	14	0.01212	-0.07375	4			
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	SOUTHWESTERN STATION #2	1	27	0.01212	-0.07375	4			
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	SOUTHWESTERN STATION #3	1	265	0.01212	-0.07375	4			
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	WELSH #1	1	320	0.01229	-0.07392	4			
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	WELSH #2	1	320	0.01229	-0.07392	4			
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	WELSH #3	1	320	0.01229	-0.07392	4			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	ARSENAL HILL	1	15	-0.02236	-0.06683	5			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	LIEBERMAN #3	1	37	-0.02652	-0.06267	5			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	LIEBERMAN #4	1	54	-0.02652	-0.06267	5			
AEPW	LONG STAR POWER PLANT	1	50	-0.08919	AEPW	WILKES #3	1	311	-0.01763	-0.07156	5			
AEPW	WILKES #1	1	85	-0.06163	AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00899	-0.07062	5			
AEPW	WILKES #1	1	85	-0.06163	AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00899	-0.07062	5			
AEPW	WILKES #1	1	85	-0.06163	AEPW	COGENTRIX GAS TERTIARY # 3	G	69	0.00899	-0.07062	5			

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

AEPW	WILKES #1	1	85	-0.06163	AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00899	-0.07062	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00899	-0.07062	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	FITZ CT1	1	82	0.00371	-0.06534	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	FITZ ST1	1	44	0.00371	-0.06534	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	FLINT CREEK	1	420	0.00711	-0.06874	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	NORTHEASTERN STATION # 1-1A	1	47.5	0.008	-0.06963	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	NORTHEASTERN STATION # 1-1B	1	47.5	0.008	-0.06963	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	NORTHEASTERN STATION #1	1	45	0.008	-0.06963	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	NORTHEASTERN STATION #2	1	360	0.008	-0.06963	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	NORTHEASTERN STATION #3	1	315	0.00802	-0.06965	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	NORTHEASTERN STATION #4	1	315	0.00802	-0.06965	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	RIVERSIDE STATION #1	1	332	0.00874	-0.07037	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	RIVERSIDE STATION #2	1	314	0.00874	-0.07037	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	TULSA POWER STATION # 1	1	75	0.00866	-0.07029	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	TULSA POWER STATION # 4	1	147	0.00866	-0.07029	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	WELEETKA TERTIARY # 4	1	18	0.00959	-0.07122	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	WELEETKA TERTIARY # 5	1	37	0.00959	-0.07122	5
AEPW	WILKES #1	1	85	-0.06163	AEPW	WELEETKA TERTIARY # 6	1	40	0.00959	-0.07122	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00899	-0.07062	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00899	-0.07062	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	COGENTRIX GAS TERTIARY # 3	G	69	0.00899	-0.07062	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00899	-0.07062	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00899	-0.07062	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	FITZ CT1	1	82	0.00371	-0.06534	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	FITZ ST1	1	44	0.00371	-0.06534	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	FLINT CREEK	1	420	0.00711	-0.06874	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	NORTHEASTERN STATION # 1-1A	1	47.5	0.008	-0.06963	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	NORTHEASTERN STATION # 1-1B	1	47.5	0.008	-0.06963	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	NORTHEASTERN STATION #1	1	45	0.008	-0.06963	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	NORTHEASTERN STATION #2	1	360	0.008	-0.06963	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	NORTHEASTERN STATION #3	1	315	0.00802	-0.06965	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	NORTHEASTERN STATION #4	1	315	0.00802	-0.06965	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	RIVERSIDE STATION #1	1	332	0.00874	-0.07037	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	RIVERSIDE STATION #2	1	314	0.00874	-0.07037	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	TULSA POWER STATION # 1	1	75	0.00866	-0.07029	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	TULSA POWER STATION # 4	1	147	0.00866	-0.07029	5
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	WELEETKA TERTIARY # 4	1	18	0.00959	-0.07122	5

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

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

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: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount											
1019916	0.5	0.9											
1023236	0.2	0.9											
1034259	0.2	0.9											
1037581	0.0	0.9											
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00881	-0.09638	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00881	-0.09638	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	COGENTRIX GAS TERTIARY # 3	G	69	0.00881	-0.09638	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00881	-0.09638	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00881	-0.09638	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	COMANCHE #1	1	96.99999	0.01243	-0.1	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	COMANCHE #2	1	63	0.01243	-0.1	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	COMANCHE #3	1	63	0.01238	-0.09995	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	FLINT CREEK	1	400	0.00712	-0.09469	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	NORTHEASTERN STATION # 1-1A	1	47.5	0.00807	-0.09564	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	NORTHEASTERN STATION # 1-1B	1	47.5	0.00807	-0.09564	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	NORTHEASTERN STATION #1	1	45	0.00807	-0.09564	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	NORTHEASTERN STATION #2	1	351	0.00807	-0.09564	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	NORTHEASTERN STATION #3	1	304	0.00806	-0.09563	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	NORTHEASTERN STATION #4	1	304	0.00806	-0.09563	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	RIVERSIDE STATION #1	1	185	0.00877	-0.09634	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	RIVERSIDE STATION #2	1	237	0.00877	-0.09634	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	SOUTHWESTERN STATION #1	1	14	0.01211	-0.09968	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	SOUTHWESTERN STATION #2	1	12	0.01211	-0.09968	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	SOUTHWESTERN STATION #3	1	117	0.01211	-0.09968	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	TULSA POWER STATION # 1	1	38	0.00869	-0.09626	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	WELSH #1	1	320	0.01229	-0.09986	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	WELSH #2	1	320	0.01229	-0.09986	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	WELSH #3	1	320	0.01229	-0.09986	9		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	FITZ_CT1	1	59	0.00388	-0.09145	10		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	FITZ_ST1	1	44	0.00388	-0.09145	10		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	LEBROCK GAS 1	1	150	-0.00884	-0.07873	11		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	LEBROCK GAS 2	1	165	-0.00884	-0.07873	11		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	LEBROCK STEAM 1	1	50	-0.00884	-0.07873	11		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	NARROWS GENERATOR	1	22	-0.00834	-0.07923	11		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	EASTMAN GENERATION A	1	178.5	-0.01561	-0.07196	12		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	EASTMAN GENERATION B	1	176.5	-0.01561	-0.07196	12		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	KNOXLEE #5	1	76.7056	-0.01563	-0.07194	12		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	PIRKEY GENERATION	1	213	-0.01311	-0.07446	12		
AEPW	WILKES #1	1	148	-0.06076	AEPW	COMANCHE #1	1	96.99999	0.01243	-0.07319	12		
AEPW	WILKES #1	1	148	-0.06076	AEPW	COMANCHE #2	1	63	0.01243	-0.07319	12		
AEPW	WILKES #1	1	148	-0.06076	AEPW	COMANCHE #3	1	63	0.01238	-0.07314	12		
AEPW	WILKES #1	1	148	-0.06076	AEPW	SOUTHWESTERN STATION #1	1	14	0.01211	-0.07287	12		
AEPW	WILKES #1	1	148	-0.06076	AEPW	SOUTHWESTERN STATION #2	1	12	0.01211	-0.07287	12		
AEPW	WILKES #1	1	148	-0.06076	AEPW	SOUTHWESTERN STATION #3	1	117	0.01211	-0.07287	12		
AEPW	WILKES #1	1	148	-0.06076	AEPW	WELSH #1	1	320	0.01229	-0.07305	12		
AEPW	WILKES #1	1	148	-0.06076	AEPW	WELSH #2	1	320	0.01229	-0.07305	12		
AEPW	WILKES #1	1	148	-0.06076	AEPW	WELSH #3	1	320	0.01229	-0.07305	12		
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	COMANCHE #1	1	96.99999	0.01243	-0.07319	12		
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	COMANCHE #2	1	63	0.01243	-0.07319	12		
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	COMANCHE #3	1	63	0.01238	-0.07314	12		
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	SOUTHWESTERN STATION #1	1	14	0.01211	-0.07287	12		
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	SOUTHWESTERN STATION #2	1	12	0.01211	-0.07287	12		
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	SOUTHWESTERN STATION #3	1	117	0.01211	-0.07287	12		
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	WELSH #1	1	320	0.01229	-0.07305	12		
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	WELSH #2	1	320	0.01229	-0.07305	12		
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	WELSH #3	1	320	0.01229	-0.07305	12		
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	WILKES #3	1	129	-0.01737	-0.0702	13		
AEPW	WILKES #1	1	148	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00881	-0.06957	13		
AEPW	WILKES #1	1	148	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00881	-0.06957	13		
AEPW	WILKES #1	1	148	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 3	G	69	0.00881	-0.06957	13		
AEPW	WILKES #1	1	148	-0.06076	AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00881	-0.06957	13		
AEPW	WILKES #1	1	148	-0.06076	AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00881	-0.06957	13		
AEPW	WILKES #1	1	148	-0.06076	AEPW	FLINT CREEK	1	400	0.00712	-0.06788	13		
AEPW	WILKES #1	1	148	-0.06076	AEPW	NORTHEASTERN STATION # 1-1A	1	47.5	0.00807	-0.06883	13		

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

AEPW	WILKES #1	1	148	-0.06076	AEPW	NORTHEASTERN STATION # 1-1B	1	47.5	0.00807	-0.06883	13
AEPW	WILKES #1	1	148	-0.06076	AEPW	NORTHEASTERN STATION #1	1	45	0.00807	-0.06883	13
AEPW	WILKES #1	1	148	-0.06076	AEPW	NORTHEASTERN STATION #2	1	351	0.00807	-0.06883	13
AEPW	WILKES #1	1	148	-0.06076	AEPW	NORTHEASTERN STATION #3	1	304	0.00806	-0.06882	13
AEPW	WILKES #1	1	148	-0.06076	AEPW	NORTHEASTERN STATION #4	1	304	0.00806	-0.06882	13
AEPW	WILKES #1	1	148	-0.06076	AEPW	RIVERSIDE STATION #1	1	185	0.00877	-0.06953	13
AEPW	WILKES #1	1	148	-0.06076	AEPW	RIVERSIDE STATION #2	1	237	0.00877	-0.06953	13
AEPW	WILKES #1	1	148	-0.06076	AEPW	TULSA POWER STATION # 1	1	38	0.00869	-0.06945	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00881	-0.06957	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00881	-0.06957	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 3	G	69	0.00881	-0.06957	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00881	-0.06957	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00881	-0.06957	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	FLINT CREEK	1	400	0.00712	-0.06788	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	NORTHEASTERN STATION # 1-1A	1	47.5	0.00807	-0.06883	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	NORTHEASTERN STATION # 1-1B	1	47.5	0.00807	-0.06883	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	NORTHEASTERN STATION #1	1	45	0.00807	-0.06883	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	NORTHEASTERN STATION #2	1	351	0.00807	-0.06883	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	NORTHEASTERN STATION #3	1	304	0.00806	-0.06882	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	NORTHEASTERN STATION #4	1	304	0.00806	-0.06882	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	RIVERSIDE STATION #1	1	185	0.00877	-0.06953	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	RIVERSIDE STATION #2	1	237	0.00877	-0.06953	13
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	TULSA POWER STATION # 1	1	38	0.00869	-0.06945	13
AEPW	WILKES #1	1	148	-0.06076	AEPW	FITZ CT1	1	59	0.00388	-0.06464	14
AEPW	WILKES #1	1	148	-0.06076	AEPW	FITZ ST1	1	44	0.00388	-0.06464	14
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	FITZ CT1	1	59	0.00388	-0.06464	14
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	FITZ ST1	1	44	0.00388	-0.06464	14
AEPW	WILKES #1	1	148	-0.06076	AEPW	LEBROCK GAS 1	1	150	-0.00884	-0.05192	17
AEPW	WILKES #1	1	148	-0.06076	AEPW	LEBROCK GAS 2	1	165	-0.00884	-0.05192	17
AEPW	WILKES #1	1	148	-0.06076	AEPW	LEBROCK STEAM 1	1	50	-0.00884	-0.05192	17
AEPW	WILKES #1	1	148	-0.06076	AEPW	NARROWS GENERATOR	1	22	-0.00834	-0.05242	17
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	LEBROCK GAS 1	1	150	-0.00884	-0.05192	17
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	LEBROCK GAS 2	1	165	-0.00884	-0.05192	17
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	LEBROCK STEAM 1	1	50	-0.00884	-0.05192	17
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	NARROWS GENERATOR	1	22	-0.00834	-0.05242	17
AEPW	WILKES #1	1	148	-0.06076	AEPW	PIRKEY GENERATION	1	213	-0.01311	-0.04765	19
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	PIRKEY GENERATION	1	213	-0.01311	-0.04765	19
AEPW	WILKES #1	1	148	-0.06076	AEPW	EASTMAN GENERATION A	1	178.5	-0.01561	-0.04515	20
AEPW	WILKES #1	1	148	-0.06076	AEPW	EASTMAN GENERATION B	1	176.5	-0.01561	-0.04515	20
AEPW	WILKES #1	1	148	-0.06076	AEPW	KNOXLEE #5	1	76.7056	-0.01563	-0.04513	20

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

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-291107SP
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount										
1019916	6.3	12.4										
1023236	2.9	12.4										
1034259	2.8	12.4										
1037581	0.3	12.4										
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COMANCHE #1	1	96.99999	0.01243	-0.10001	124	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COMANCHE #2	1	63	0.01243	-0.10001	124	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COMANCHE #3	1	63	0.01238	-0.09996	124	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	SOUTHWESTERN STATION #3	1	231	0.01211	-0.09969	124	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	WELSH #1	1	330	0.01229	-0.09987	124	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	WELSH #2	1	330	0.01229	-0.09987	124	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	WELSH #3	1	330	0.01229	-0.09987	124	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00881	-0.09639	128	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00881	-0.09639	128	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COGENTRIX GAS TERTIARY # 3	G	69	0.00881	-0.09639	128	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00881	-0.09639	128	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00881	-0.09639	128	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	RIVERSIDE STATION #1	1	332	0.00877	-0.09635	128	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	RIVERSIDE STATION #2	1	314	0.00877	-0.09635	128	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	TULSA POWER STATION # 1	1	75	0.00869	-0.09627	128	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	TULSA POWER STATION # 4	1	111	0.00869	-0.09627	128	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION # 1-1A	1	47.5	0.00807	-0.09565	129	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION # 1-1B	1	47.5	0.00807	-0.09565	129	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION #1	1	45	0.00807	-0.09565	129	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION #2	1	360	0.00807	-0.09565	129	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION #3	1	325	0.00806	-0.09564	129	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION #4	1	320	0.00806	-0.09564	129	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	FLINT CREEK	1	420	0.00712	-0.0947	130	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	FITZ_CT1	1	82	0.00388	-0.09146	135	

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

AEPW	WILKES #1	1	114	-0.06076	AEPW	COMANCHE #1	1	96.99999	0.01243	-0.07319	169
AEPW	WILKES #1	1	114	-0.06076	AEPW	COMANCHE #2	1	63	0.01243	-0.07319	169
AEPW	WILKES #1	1	114	-0.06076	AEPW	COMANCHE #3	1	63	0.01238	-0.07314	169
AEPW	WILKES #1	1	114	-0.06076	AEPW	SOUTHWESTERN STATION #3	1	231	0.01211	-0.07287	169
AEPW	WILKES #1	1	114	-0.06076	AEPW	WELSH #1	1	330	0.01229	-0.07305	169
AEPW	WILKES #1	1	114	-0.06076	AEPW	WELSH #2	1	330	0.01229	-0.07305	169
AEPW	WILKES #1	1	114	-0.06076	AEPW	WELSH #3	1	330	0.01229	-0.07305	169
AEPW	WILKES #1	1	114	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00881	-0.06957	178
AEPW	WILKES #1	1	114	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00881	-0.06957	178
AEPW	WILKES #1	1	114	-0.06076	AEPW	COGENTRIX GAS TERTIARY # 3	G	69	0.00881	-0.06957	178
AEPW	WILKES #1	1	114	-0.06076	AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00881	-0.06957	178
AEPW	WILKES #1	1	114	-0.06076	AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00881	-0.06957	178
AEPW	WILKES #1	1	114	-0.06076	AEPW	RIVERSIDE STATION #1	1	332	0.00877	-0.06953	178
AEPW	WILKES #1	1	114	-0.06076	AEPW	RIVERSIDE STATION #2	1	314	0.00877	-0.06953	178
AEPW	WILKES #1	1	114	-0.06076	AEPW	TULSA POWER STATION # 1	1	75	0.00869	-0.06945	178
AEPW	WILKES #1	1	114	-0.06076	AEPW	TULSA POWER STATION # 4	1	111	0.00869	-0.06945	178
AEPW	WILKES #1	1	114	-0.06076	AEPW	NORTHEASTERN STATION #2	1	360	0.00807	-0.06883	179
AEPW	WILKES #1	1	114	-0.06076	AEPW	NORTHEASTERN STATION #3	1	325	0.00806	-0.06882	179
AEPW	WILKES #1	1	114	-0.06076	AEPW	NORTHEASTERN STATION #4	1	320	0.00806	-0.06882	179
AEPW	WILKES #1	1	114	-0.06076	AEPW	FLINT CREEK	1	420	0.00712	-0.06788	182
AEPW	WILKES #1	1	114	-0.06076	AEPW	FITZ_CT1	1	82	0.00388	-0.06464	191
AEPW	WILKES #1	1	114	-0.06076	AEPW	LEBROCK GAS 1	1	150	-0.00884	-0.05192	238
AEPW	WILKES #1	1	114	-0.06076	AEPW	LEBROCK GAS 2	1	165	-0.00884	-0.05192	238
AEPW	WILKES #1	1	114	-0.06076	AEPW	PIRKEY GENERATION	1	248	-0.01311	-0.04765	259
AEPW	WILKES #1	1	114	-0.06076	AEPW	EASTMAN GENERATION A	1	178.5	-0.01561	-0.04515	274
AEPW	WILKES #1	1	114	-0.06076	AEPW	EASTMAN GENERATION B	1	176.5	-0.01561	-0.04515	274
AEPW	WILKES #1	1	114	-0.06076	AEPW	KNOXLEE #5	1	225	-0.01563	-0.04513	274
AEPW	WILKES #1	1	114	-0.06076	AEPW	WILKES #3	1	311	-0.01737	-0.04339	285

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

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

Upgrade: ARKANSAS CITY - PARIS 69KV CKT 1
 Limiting Facility: ARKANSAS CITY - PARIS 69KV CKT 1
 Direction: To->From
 Line Outage: CRESWELL - OAK 69KV CKT 1
 Flowgate: 57542575481575435754712306SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	2.1	11.0
1032990	2.9	11.0
1032990	2.1	11.0
1032993	0.9	11.0
1033723	0.9	11.0
1034312	2.2	11.0

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.71049	16
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.71049	16
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.71049	16
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.71049	16
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00223	-0.64988	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00223	-0.64988	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00202	-0.65009	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00202	-0.65009	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00202	-0.65009	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00202	-0.65009	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00202	-0.65009	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00202	-0.65009	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00202	-0.65009	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00202	-0.65009	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00233	-0.64978	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00233	-0.64978	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	CITY OF ERIE	1	20	-0.00233	-0.64978	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	CITY OF ERIE	1	20	-0.00233	-0.64978	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00415	-0.64796	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00415	-0.64796	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00416	-0.64795	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00416	-0.64795	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00237	-0.64974	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00237	-0.64974	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00287	-0.64924	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00287	-0.64924	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00193	-0.65018	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00193	-0.65018	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00234	-0.64977	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00234	-0.64977	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00233	-0.64978	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00233	-0.64978	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00233	-0.64978	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00233	-0.64978	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.0023	-0.64981	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.0023	-0.64981	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.0023	-0.64981	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.0023	-0.64981	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00233	-0.64978	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00233	-0.64978	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00238	-0.64973	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00238	-0.64973	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00238	-0.64973	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00238	-0.64973	17
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	WACO	1	17.97	-0.003	-0.64911	17
WERE	CITY OF WINFIELD	1	10.2	-0.65211	WERE	WACO	1	17.97	-0.003	-0.64911	17

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: ARKANSAS CITY - PARIS 69KV CKT 1
 Limiting Facility: ARKANSAS CITY - PARIS 69KV CKT 1
 Direction: To->From
 Line Outage: CRESWELL - OAK 69KV CKT 1
 Flowgate: 57542575481575435754714306SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	0.6	2.9
1032990	0.6	2.9
1032990	0.3	2.9
1032993	0.3	2.9
1033723	0.3	2.9
1034312	0.7	2.9

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00223	-0.64988	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00223	-0.64988	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	CITY OF ERIE	1	20	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	CITY OF ERIE	1	20	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.71049	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.71049	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00416	-0.64795	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00416	-0.64795	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00237	-0.64974	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00237	-0.64974	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00287	-0.64924	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00287	-0.64924	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.00193	-0.65018	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.00193	-0.65018	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00234	-0.64977	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00234	-0.64977	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.0023	-0.64981	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.0023	-0.64981	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00238	-0.64973	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00238	-0.64973	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00238	-0.64973	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00238	-0.64973	4
WERE	CITY OF WINFIELD	T	25	-0.65211	WERE	WACO	1	17.964	-0.003	-0.64911	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	WACO	1	17.964	-0.003	-0.64911	4

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

WERE	GETTY	1	35	-0.01653	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.07491	39
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.00415	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06253	46
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	-0.00415	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06253	46
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	-0.00415	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06253	46
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.00416	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06254	46
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.00416	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06254	46
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.00202	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.0604	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.00202	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.0604	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.00202	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.0604	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.00202	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.0604	48
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.00202	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.0604	48
WERE	GILL ENERGY CENTER UNIT 3	1	47.32935	-0.00237	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06075	48
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	48
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	48
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	48
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	48
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	48
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	-0.00234	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06072	48
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	-0.00233	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06071	48
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	-0.00233	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06071	48
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.0023	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06068	48
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.0023	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06068	48
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.3692	-0.00233	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06071	48
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	-0.00164	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06002	48
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	-0.00238	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06076	48
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	-0.00238	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06076	48
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	37.99999	-0.00238	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06076	48
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.00085	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.05923	49
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.00086	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.05924	49

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

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

Upgrade: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
 Limiting Facility: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
 Direction: From->To
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 5715257331156765567211106FA
 Date Redispatch Needed: 10/1/06 - 12/1/06

Reservation	Relief Amount	Aggregate Relief Amount											
1032956	0.8	3.6											
1034363	2.4	3.6											
1034394	0.3	3.6											
1037591	0.1	3.6											
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)		
WEPL	CLIFTON GENERATOR	1	70	-0.08331	WEPL	A. M. MULLERGRENNER GENERATOR	3	25	0.01901	-0.10232	35		
WEPL	CLIFTON GENERATOR	1	70	-0.08331	WEPL	JUDSON LARGE GENERATOR	4	70.11459	0.01026	-0.09357	38		
WERE	GETTY	1	35	-0.0023	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.06475	56		
WERE	GETTY	1	35	-0.0023	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.06475	56		
WERE	GETTY	1	35	-0.0023	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.06282	57		
WERE	GETTY	1	35	-0.0023	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.06282	57		
WERE	GETTY	1	35	-0.0023	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.05954	61		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05606	64		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05606	64		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.05413	67		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.05413	67		
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05336	68		
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05336	68		
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05336	68		
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05336	68		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05178	70		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05178	70		
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05178	70		
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05178	70		
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05177	70		
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05177	70		
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00909	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.05143	70		
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00909	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.05143	70		
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00909	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.05143	70		
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00909	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.05143	70		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.05085	71		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.04985	72		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.04985	72		
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.04985	72		
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.04985	72		
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.04984	72		
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.04984	72		
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04815	75		
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04815	75		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04657	77		
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04657	77		
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04656	77		
WERE	GETTY	1	35	-0.0023	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.04637	78		
WERE	GETTY	1	35	-0.0023	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03833	-0.04063	89		
WERE	GETTY	1	35	-0.0023	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03833	-0.04063	89		
WERE	GETTY	1	35	-0.0023	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.03588	-0.03818	94		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.03768	96		
WERE	GETTY	1	35	-0.0023	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.03472	-0.03702	97		
WERE	GETTY	1	35	-0.0023	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.03356	-0.03586	100		
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00909	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.03498	103		
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00909	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.03498	103		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.0334	108		
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01067	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.0334	108		
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.03339	108		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03833	-0.03194	113		

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

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

Upgrade: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
 Limiting Facility: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
 Direction: From->To
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 57152573311567655677211306WP
 Date Redispatch Needed: 12/1/06 - 4/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1022463	4.1	9.3
1032956	0.8	9.3
1034363	2.5	9.3
1034394	0.3	9.3
1034407	1.4	9.3
1037591	0.1	9.3

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	CLIFTON GENERATOR	1	70	-0.08293	WEPL	A. M. MULLERGRENNER GENERATOR	3	45.50854	0.01937	-0.1023	91
WEPL	CLIFTON GENERATOR	1	70	-0.08293	WEPL	JUDSON LARGE GENERATOR	4	88.80332	0.01063	-0.09356	99
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00659	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05618	165
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00659	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05618	165
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00935	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05342	174
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00935	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05342	174
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00952	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05325	174
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00952	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05325	174
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.00957	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.0532	174
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.00957	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.0532	174
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05184	179
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05184	179
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05184	179
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05184	179
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05184	179
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05184	179
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05183	179
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05183	179
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05183	179
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05183	179
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00659	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.05097	182
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00935	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04821	192
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00952	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04804	193
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.00957	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04799	193
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04663	199
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04663	199
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04663	199
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04662	199
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04662	199

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
 Limiting Facility: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
 Direction: From->To
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 57152573311567855677211307FA
 Date Redispatch Needed: 10/1/07 - 12/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1032956	0.6	6.2
1032992	0.7	6.2
1034234	0.8	6.2
1034276	1.8	6.2
1034363	2.0	6.2
1034394	0.2	6.2
1037591	0.1	6.2

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	CLIFTON GENERATOR	1	70	-0.08353	WEPL	A. M. MULLERGEN GENERATOR	3	56.46272	0.02055	-0.10408	59
WEPL	CLIFTON GENERATOR	1	70	-0.08353	WEPL	JUDSON LARGE GENERATOR	4	91.02883	0.01108	-0.09461	65
WERE	GETTY	1	35	-0.00236	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.06451	96
WERE	GETTY	1	35	-0.00236	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.06451	96
WERE	GETTY	1	35	-0.00236	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.06261	99
WERE	GETTY	1	35	-0.00236	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.06261	99
WERE	GETTY	1	35	-0.00236	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.0593	104
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05576	111
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05576	111
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.05386	115
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.05386	115
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05304	116
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05304	116
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05304	116
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05304	116
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00928	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05287	117
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00928	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05287	117
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05148	120
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05148	120
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05148	120
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05148	120
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05148	120
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05148	120
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05147	120
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05147	120
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.05114	121
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.05114	121
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00928	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.05097	121
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.05055	122
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.04958	125
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.04958	125
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.04958	125
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.04957	125
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04783	129
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04783	129
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00928	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04766	130
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04627	133
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04627	133
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04627	133
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04626	134
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	CLAY CENTER JUNCTION	1	9999	0.04447	-0.03808	162
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	CLAY CENTER JUNCTION	1	9999	0.04447	-0.03536	175
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00928	WERE	CLAY CENTER JUNCTION	1	9999	0.04447	-0.03519	176
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	CLAY CENTER JUNCTION	1	9999	0.04447	-0.0338	183
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01067	WERE	CLAY CENTER JUNCTION	1	9999	0.04447	-0.0338	183
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	CLAY CENTER JUNCTION	1	9999	0.04447	-0.0338	183
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	CLAY CENTER JUNCTION	1	9999	0.04447	-0.03379	183

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
 Limiting Facility: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
 Direction: From->To
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 57152573311567855677211307WP

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

Date Redispatch Needed: 12/1/07 - 4/1/08

Reservation	Relief Amount	Aggregate Relief Amount
1022463	3.1	9.8
1032956	0.5	9.8
1032992	0.7	9.8
1032992	0.5	9.8
1034234	0.8	9.8
1034276	1.8	9.8
1034363	2.1	9.8
1034394	0.2	9.8
1037591	0.1	9.8

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	CLIFTON GENERATOR	1	70	-0.08337	WEPL	A. M. MULLERGREN GENERATOR	3	41.28804	0.02068	-0.10405	94
WEPL	CLIFTON GENERATOR	1	70	-0.08337	WEPL	JUDSON LARGE GENERATOR	4	90.65675	0.01122	-0.09459	104
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06224	-0.0531	185
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06224	-0.0531	185
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06224	-0.05154	190
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06224	-0.05154	190
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06224	-0.05153	190
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06224	-0.05153	190
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.06035	-0.05121	191
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.06035	-0.04965	197
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.06035	-0.04964	198
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05704	-0.0479	205
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05704	-0.04634	212
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05704	-0.04633	212
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	CLAY CENTER JUNCTION	1	9999	0.04457	-0.03386	290

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
 Limiting Facility: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
 Direction: From->To
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 5715257331156765567211308WP
 Date Redispatch Needed: 12/1/07 - 4/1/08

Reservation	Relief Amount	Aggregate Relief Amount
1022468	3.1	19.9
1032956	0.8	19.9
1032992	1.1	19.9
1032992	0.5	19.9
1032993	0.7	19.9
1032994	3.2	19.9
1032994	2.5	19.9
1032994	2.4	19.9
1034234	0.8	19.9
1034276	1.8	19.9
1034363	2.7	19.9
1034394	0.3	19.9
1037591	0.1	19.9

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01072	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06231	-0.05159	385
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01072	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06231	-0.05159	385
WERE	EVANS ENERGY CENTER GAS TURBINE 4	1	154	0.01072	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06231	-0.05159	385
WERE	EVANS ENERGY CENTER GAS TURBINE 4	1	154	0.01072	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06231	-0.05159	385
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01073	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06231	-0.05158	385
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01073	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06231	-0.05158	385
WERE	EVANS ENERGY CENTER UNIT 2	1	218	0.01073	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06231	-0.05158	385
WERE	EVANS ENERGY CENTER UNIT 2	1	218	0.01073	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06231	-0.05158	385
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01072	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05712	-0.0464	428
WERE	EVANS ENERGY CENTER GAS TURBINE 4	1	154	0.01072	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05712	-0.0464	428
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01073	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05712	-0.04639	428
WERE	EVANS ENERGY CENTER UNIT 2	1	218	0.01073	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05712	-0.04639	428
WERE	EVANS ENERGY CENTER UNIT 2	1	218	0.01073	WERE	CLAY CENTER JUNCTION	1	9999	0.04463	-0.0339	586

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
 Limiting Facility: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
 Direction: From->To
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 57152573311567655677214106SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount											
1032956	0.0	0.1											
1034363	0.0	0.1											
1034394	0.0	0.1											
1034407	0.0	0.1											
1037591	0.0	0.1											
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)		
WEPL	CLIFTON GENERATOR	1	12.0448	-0.08302	WEPL	A. M. MULLERGEN GENERATOR	3	63	0.01918	-0.1022	1		
WEPL	CLIFTON GENERATOR	1	12.0448	-0.08302	WEPL	JUDSON LARGE GENERATOR	4	107.9828	0.0104	-0.09342	1		
WERE	GETTY	1	35	-0.00219	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05746	-0.05965	1		
WERE	GETTY	1	35	-0.00219	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06262	-0.06481	1		
WERE	GETTY	1	35	-0.00219	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262	-0.06481	1		
WERE	GETTY	1	35	-0.00219	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.06069	-0.06288	1		
WERE	GETTY	1	35	-0.00219	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.06069	-0.06288	1		
WERE	CITY OF WINFIELD	1	14.8	0.00697	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04464	-0.03767	2		
WERE	CITY OF WINFIELD	1	10.2	0.00697	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04464	-0.03767	2		
WERE	CITY OF WINFIELD	1	14.8	0.00697	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05746	-0.05049	2		
WERE	CITY OF WINFIELD	1	10.2	0.00697	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05746	-0.05049	2		
WERE	CITY OF WINFIELD	1	14.8	0.00697	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06262	-0.05565	2		
WERE	CITY OF WINFIELD	1	10.2	0.00697	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06262	-0.05565	2		
WERE	CITY OF WINFIELD	1	14.8	0.00697	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262	-0.05565	2		
WERE	CITY OF WINFIELD	1	10.2	0.00697	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262	-0.05565	2		
WERE	CITY OF WINFIELD	1	14.8	0.00697	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.06069	-0.05372	2		
WERE	CITY OF WINFIELD	1	10.2	0.00697	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.06069	-0.05372	2		
WERE	CITY OF WINFIELD	1	14.8	0.00697	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.06069	-0.05372	2		
WERE	CITY OF WINFIELD	1	10.2	0.00697	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.06069	-0.05372	2		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01077	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05746	-0.04669	2		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01077	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06262	-0.05185	2		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01077	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262	-0.05185	2		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01077	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.06069	-0.04992	2		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01077	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.06069	-0.04992	2		
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.01078	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05746	-0.04668	2		
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.01078	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06262	-0.05184	2		
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.01078	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262	-0.05184	2		
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.01078	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.06069	-0.04991	2		
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.01078	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.06069	-0.04991	2		
WERE	GETTY	1	35	-0.00219	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04464	-0.04683	2		
WERE	GETTY	1	35	-0.00219	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03853	-0.04072	2		
WERE	GETTY	1	35	-0.00219	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.03853	-0.04072	2		
WERE	GETTY	1	35	-0.00219	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03852	-0.04071	2		
WERE	GETTY	1	35	-0.00219	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.03853	-0.04072	2		
WERE	GETTY	1	35	-0.00219	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.03489	-0.03708	2		
WERE	GETTY	1	35	-0.00219	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.03489	-0.03708	2		
WERE	GETTY	1	35	-0.00219	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.03487	-0.03706	2		
WERE	GETTY	1	35	-0.00219	WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.03487	-0.03706	2		
WERE	GETTY	1	35	-0.00219	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.03487	-0.03706	2		
WERE	GETTY	1	35	-0.00219	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.0349	-0.03709	2		
WERE	GETTY	1	35	-0.00219	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.03365	-0.03584	2		
WERE	GETTY	1	35	-0.00219	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.03367	-0.03586	2		
WERE	GETTY	1	35	-0.00219	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.7882	0.03599	-0.03818	2		

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

WERE	GILL ENERGY CENTER UNIT 2	1	29	0.0092	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04464	-0.03544	2
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.0092	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05746	-0.04826	2
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.0092	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06262	-0.05342	2
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.0092	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262	-0.05342	2
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.0092	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.06069	-0.05149	2
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.0092	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.06069	-0.05149	2
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.00936	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04464	-0.03528	2
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.00936	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05746	-0.0481	2
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.00936	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06262	-0.05326	2
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.00936	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262	-0.05326	2
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.00936	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.06069	-0.05133	2
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.00936	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.06069	-0.05133	2
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04464	-0.03813	2
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05746	-0.05095	2
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06262	-0.05611	2
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262	-0.05611	2
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.06069	-0.05418	2
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.06069	-0.05418	2
WERE	CITY OF WINFIELD	T	14.8	0.00697	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03853	-0.03156	3
WERE	CITY OF WINFIELD	T	10.2	0.00697	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03853	-0.03156	3
WERE	CITY OF WINFIELD	T	14.8	0.00697	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.03853	-0.03156	3
WERE	CITY OF WINFIELD	T	10.2	0.00697	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.03853	-0.03156	3
WERE	CITY OF WINFIELD	T	14.8	0.00697	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03852	-0.03155	3
WERE	CITY OF WINFIELD	T	10.2	0.00697	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03852	-0.03155	3
WERE	CITY OF WINFIELD	T	14.8	0.00697	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.03853	-0.03156	3
WERE	CITY OF WINFIELD	T	10.2	0.00697	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.03853	-0.03156	3
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01077	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04464	-0.03387	3
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.01078	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04464	-0.03386	3
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03853	-0.03202	3
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.03853	-0.03202	3
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03852	-0.03201	3
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.03853	-0.03202	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

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

Upgrade: CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1
 Limiting Facility: CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1
 Direction: To->From
 Line Outage: GILL ENERGY CENTER WEST - PECK 69KV CKT 1
 Flowgate: 57560575531577965783011306SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	1.1	2.2
1032993	0.5	2.2
1033723	0.5	2.2

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WELLINGTON	5	16	-1	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	CHANUTE GENERATION SUB	14	33.658	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CHANUTE GENERATION SUB	14	33.658	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	CITY OF ERIE	1	20	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CITY OF ERIE	1	20	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	CITY OF WINFIELD	1	24.41401	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CITY OF WINFIELD	1	24.41401	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	GILL ENERGY CENTER UNIT 4	1	77	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	GILL ENERGY CENTER UNIT 4	1	77	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.2985	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.2985	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	WACO	1	17.964	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	WACO	1	17.964	0	-1	2

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

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

Upgrade: CITY OF WINFIELD - RAINBOW 69KV CKT 1
 Limiting Facility: CITY OF WINFIELD - RAINBOW 69KV CKT 1
 Direction: To->From
 Line Outage: OAK - STROTHER FIELD (CITY OF WINFIELD) 69KV CKT 1
 Flowgate: 57561575491575475755612306SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	1.1	5.6
1032990	1.5	5.6
1032990	1.1	5.6
1032993	0.5	5.6
1033723	0.4	5.6
1034312	1.1	5.6

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	CITY OF WELLINGTON	6	19.5	0.06276	-0.76375	7
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.76375	7
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.76375	7
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CITY OF WELLINGTON	6	19.5	0.06276	-0.76375	7
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.0024	-0.69859	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.0024	-0.69859	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00217	-0.69882	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00217	-0.69882	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00217	-0.69882	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00217	-0.69882	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00217	-0.69882	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00217	-0.69882	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00217	-0.69882	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00217	-0.69882	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00251	-0.69848	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00251	-0.69848	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	CITY OF ERIE	1	20	-0.00251	-0.69848	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CITY OF ERIE	1	20	-0.00251	-0.69848	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00446	-0.69653	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00446	-0.69653	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00447	-0.69652	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00447	-0.69652	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00255	-0.69844	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00255	-0.69844	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00309	-0.6979	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00309	-0.6979	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00208	-0.69891	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00208	-0.69891	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00252	-0.69847	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00252	-0.69847	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00251	-0.69848	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00251	-0.69848	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00251	-0.69848	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00251	-0.69848	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00247	-0.69852	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00247	-0.69852	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247	-0.69852	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247	-0.69852	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00251	-0.69848	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00251	-0.69848	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00256	-0.69843	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00256	-0.69843	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00256	-0.69843	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00256	-0.69843	8
WERE	CITY OF WINFIELD	T	14.8	-0.70099	WERE	WACO	1	17.97	-0.00323	-0.69776	8
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	WACO	1	17.97	-0.00323	-0.69776	8

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: CITY OF WINFIELD - RAINBOW 69KV CKT 1
 Limiting Facility: CITY OF WINFIELD - RAINBOW 69KV CKT 1
 Direction: To->From
 Line Outage: OAK - STROTHER FIELD (CITY OF WINFIELD) 69KV CKT 1
 Flowgate: 57561575491575475755614306SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	0.4	2.1
1032990	0.5	2.1
1032990	0.2	2.1
1032993	0.2	2.1
1033723	0.2	2.1
1034312	0.5	2.1

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.0024	-0.69859	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.0024	-0.69859	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	CITY OF ERIE	1	20	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CITY OF ERIE	1	20	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.76375	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.76375	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00447	-0.69652	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00447	-0.69652	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00255	-0.69844	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00255	-0.69844	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00309	-0.6979	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00309	-0.6979	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.00208	-0.69891	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.00208	-0.69891	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00252	-0.69847	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00252	-0.69847	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247	-0.69852	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247	-0.69852	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00256	-0.69843	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00256	-0.69843	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00256	-0.69843	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00256	-0.69843	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	WACO	1	17.964	-0.00323	-0.69776	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	WACO	1	17.964	-0.00323	-0.69776	3

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

WERE	GETTY	1	35	-0.01776	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.08052	26
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.00446	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06722	31
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	-0.00446	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06722	31
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	-0.00446	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06722	31
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.00447	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06723	31
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.00447	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06723	31
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	32
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	32
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	32
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	32
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	32
WERE	GILL ENERGY CENTER UNIT 3	1	47.32935	-0.00255	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06531	32
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	32
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	32
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	32
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	32
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	32
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	32
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	32
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	32
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	-0.00252	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06528	32
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	-0.00251	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06527	32
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	-0.00251	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06527	32
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.00247	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06523	32
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.00247	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06523	32
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.3692	-0.00251	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06527	32
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	-0.00177	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06453	32
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	-0.00256	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06532	32
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	-0.00256	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06532	32
WERE	TECUMSEH ENERGY CENTER UNIT 7	1	15	-0.00256	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06532	32
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	37.99999	-0.00256	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06532	32
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.00091	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06367	33
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.00093	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06369	33

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

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

Upgrade: CLAY CENTER - GREENLEAF 115KV CKT 1
 Limiting Facility: KELLY - SOUTH SENECA 115KV CKT 1
 Direction: From->To
 Line Outage: CONCORDIA (CONCORD6) 230/115/13.8KV TRANSFORMER CKT 1
 Flowgate: 5721757371CONCNCORD66314206SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1034311	1.7	10.7
1034363	8.3	10.7
1034628	0.3	10.7
1037591	0.4	10.7

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	CLIFTON GENERATOR	1	63.25693	-0.54868	WEPL	JUDSON LARGE GENERATOR	4	108.5833	-0.0272	-0.52148	21
WEPL	CLIFTON GENERATOR	1	63.25693	-0.54868	WEPL	A. M. MULLERGRN GENERATOR	3	63	-0.0598	-0.48888	22

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

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

Upgrade: CRESWELL - OAK 69KV CKT 1
 Limiting Facility: CRESWELL - OAK 69KV CKT 1
 Direction: From->To
 Line Outage: CRESWELL - PARIS 69KV CKT 1
 Flowgate: 57543575471575435754812306SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	3.4	18.1
1032990	4.7	18.1
1032990	3.4	18.1
1032990	3.4	18.1
1032990	4.7	18.1
1032990	3.4	18.1
1032993	1.5	18.1
1032993	1.5	18.1
1033723	1.4	18.1
1033723	1.4	18.1
1034312	3.6	18.1
1034312	3.6	18.1

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	CITY OF WELLINGTON	6	19.5	0.06636	-0.80758	22
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	CITY OF WELLINGTON	5	20	0.06636	-0.80758	22
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	CITY OF WELLINGTON	5	20	0.06636	-0.80758	22
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	CITY OF WELLINGTON	6	19.5	0.06636	-0.80758	22
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00253	-0.73869	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00253	-0.73869	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00229	-0.73893	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00229	-0.73893	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00229	-0.73893	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00229	-0.73893	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00229	-0.73893	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00229	-0.73893	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00229	-0.73893	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00229	-0.73893	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00265	-0.73857	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00265	-0.73857	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	CITY OF ERIE	1	20	-0.00265	-0.73857	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	CITY OF ERIE	1	20	-0.00265	-0.73857	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.0027	-0.73852	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.0027	-0.73852	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00326	-0.73796	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00326	-0.73796	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.0022	-0.73902	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.0022	-0.73902	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00266	-0.73856	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00266	-0.73856	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00265	-0.73857	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00265	-0.73857	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00265	-0.73857	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00265	-0.73857	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00261	-0.73861	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00261	-0.73861	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00261	-0.73861	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00261	-0.73861	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00265	-0.73857	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00265	-0.73857	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00271	-0.73851	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00271	-0.73851	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00271	-0.73851	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00271	-0.73851	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	WACO	1	17.97	-0.00341	-0.73781	24
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	WACO	1	17.97	-0.00341	-0.73781	24
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00472	-0.7365	25
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00472	-0.7365	25
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00473	-0.73649	25
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00473	-0.73649	25

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: CRESWELL - OAK 69KV CKT 1
 Limiting Facility: CRESWELL - OAK 69KV CKT 1
 Direction: From->To
 Line Outage: CRESWELL - PARIS 69KV CKT 1
 Flowgate: 57543575471575435754814306SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	1.3	6.2
1032990	1.4	6.2
1032990	0.7	6.2
1032990	1.3	6.2
1032990	1.4	6.2
1032990	0.7	6.2
1032993	0.6	6.2
1032993	0.6	6.2
1033723	0.6	6.2
1033723	0.6	6.2
1034312	1.5	6.2
1034312	1.5	6.2

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00253	-0.73869	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00253	-0.73869	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00265	-0.73857	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00265	-0.73857	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	CITY OF ERIE	1	20	-0.00265	-0.73857	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	CITY OF ERIE	1	20	-0.00265	-0.73857	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	CITY OF WELLINGTON	5	20	0.06636	-0.80758	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	CITY OF WELLINGTON	5	20	0.06636	-0.80758	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00473	-0.73649	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00473	-0.73649	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.0027	-0.73852	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.0027	-0.73852	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00326	-0.73796	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00326	-0.73796	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.0022	-0.73902	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.0022	-0.73902	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00266	-0.73856	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00266	-0.73856	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00265	-0.73857	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00265	-0.73857	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00265	-0.73857	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00265	-0.73857	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00261	-0.73861	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00261	-0.73861	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00265	-0.73857	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00265	-0.73857	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.0027	-0.73852	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.0027	-0.73852	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.0027	-0.73852	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.0027	-0.73852	8
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	WACO	1	17.964	-0.00341	-0.73781	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	WACO	1	17.964	-0.00341	-0.73781	8

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: CRESWELL - PARIS 69KV CKT 1
 Limiting Facility: CRESWELL - PARIS 69KV CKT 1
 Direction: From->To
 Line Outage: CRESWELL - OAK 69KV CKT 1
 Flowgate: 57543575481575435754712306SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	0.1	0.7
1032990	0.2	0.7
1032990	0.1	0.7
1032993	0.1	0.7
1033723	0.1	0.7
1034312	0.1	0.7

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00223	-0.64988	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00223	-0.64988	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00233	-0.64978	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00233	-0.64978	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	CITY OF ERIE	1	20	-0.00233	-0.64978	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	CITY OF ERIE	1	20	-0.00233	-0.64978	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.71049	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.71049	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.71049	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.71049	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00415	-0.64796	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00415	-0.64796	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00416	-0.64795	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00416	-0.64795	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00237	-0.64974	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00237	-0.64974	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00287	-0.64924	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00287	-0.64924	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00193	-0.65018	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00193	-0.65018	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00234	-0.64977	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00234	-0.64977	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00233	-0.64978	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00233	-0.64978	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00233	-0.64978	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00233	-0.64978	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.0023	-0.64981	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.0023	-0.64981	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.0023	-0.64981	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.0023	-0.64981	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00233	-0.64978	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00233	-0.64978	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00238	-0.64973	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00238	-0.64973	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00238	-0.64973	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00238	-0.64973	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	WACO	1	17.97	-0.003	-0.64911	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	WACO	1	17.97	-0.003	-0.64911	1
WERE	GETTY	1	35	-0.01653	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.07491	10
WERE	GETTY	T	35	-0.01653	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.07491	10
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.00202	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.0604	12
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	T	30	-0.00202	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.0604	12
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.00415	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06253	12
WERE	EVANS ENERGY CENTER GAS TURBINE 1	T	80	-0.00415	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06253	12
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.00415	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06253	12
WERE	EVANS ENERGY CENTER GAS TURBINE 3	T	54	-0.00415	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06253	12
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.00416	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06254	12
WERE	EVANS ENERGY CENTER UNIT 1	T	151	-0.00416	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06254	12
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.00416	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06254	12
WERE	EVANS ENERGY CENTER UNIT 2	T	23	-0.00416	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06254	12

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.00085	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.05923	12
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.00085	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.05923	12
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.00086	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.05924	12
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.00086	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.05924	12
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.00237	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06075	12
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.00237	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06075	12
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.00193	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.00193	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.00193	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.00193	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.00193	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.00193	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.00193	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	-0.00193	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06031	12
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	-0.00193	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06031	12
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	-0.00234	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06072	12
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	-0.00234	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06072	12
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	-0.00233	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06071	12
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	-0.00233	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06071	12
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	-0.00233	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06071	12
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	-0.00233	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06071	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.0023	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06068	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.0023	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06068	12
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	31.31943	-0.00233	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06071	12
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	31.31943	-0.00233	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06071	12
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00164	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06002	12
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00164	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06002	12
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	-0.00238	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06076	12
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	-0.00238	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06076	12
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	-0.00238	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06076	12
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	-0.00238	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06076	12
WERE	TECUMSEH ENERGY CENTER UNIT 7	1	15	-0.00238	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06076	12
WERE	TECUMSEH ENERGY CENTER UNIT 7	1	15	-0.00238	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06076	12
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	18.47189	-0.00238	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06076	12
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	18.47189	-0.00238	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06076	12

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1
 Limiting Facility: CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1
 Direction: To->From
 Line Outage: EL PASO - FARBER 138KV CKT 1
 Flowgate: 57543575531570395704214407SP
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount												
1032990	0.1	0.2												
1032990	0.1	0.2												
1032990	0.0	0.2												
1034312	0.0	0.2												
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.64615	0			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.64615	0			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.64615	0			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.64615	0			
WERE	CLAY CENTER JUNCTION	1	28.7	0.00621	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.48467	0			
WERE	CLAY CENTER JUNCTION	1	28.7	0.00621	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.48467	0			
WERE	GETTY	1	35	0.01111	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.47977	0			
WERE	GETTY	1	35	0.01111	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.47977	0			
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.0063	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.48458	0			
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.0063	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.48458	0			
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	0.0063	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.48458	0			
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	0.0063	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.48458	0			
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00599	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.48489	0			
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00599	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.48489	0			
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.00597	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.48491	0			
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.00597	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.48491	0			
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.00597	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.48491	0			
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.00597	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.48491	0			
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	29.05798	0.00582	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.48506	0			
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	29.05798	0.00582	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.48506	0			
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.0022	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.48868	0			
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.0022	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.48868	0			
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.00597	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.48491	0			
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.00597	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.48491	0			
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.00597	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.48491	0			
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.00597	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.48491	0			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00619	-0.16146	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00619	-0.16146	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00619	-0.16146	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00619	-0.16146	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00619	-0.16146	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00619	-0.16146	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	26.22998	0.00619	-0.16146	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	26.22998	0.00619	-0.16146	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00618	-0.16145	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00618	-0.16145	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00619	-0.16146	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00619	-0.16146	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	CHANUTE GENERATION SUB	14	42.742	0.00239	-0.15766	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	CHANUTE GENERATION SUB	14	42.742	0.00239	-0.15766	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	CITY OF ERIE	1	20	0.00239	-0.15766	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	CITY OF ERIE	1	20	0.00239	-0.15766	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	CLAY CENTER JUNCTION	1	9999	0.00621	-0.16148	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	CLAY CENTER JUNCTION	1	9999	0.00621	-0.16148	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01743	-0.1727	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01743	-0.1727	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	30	0.01743	-0.1727	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	30	0.01743	-0.1727	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01743	-0.1727	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01743	-0.1727	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	EVANS ENERGY CENTER UNIT 1	1	120	0.01736	-0.17263	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	EVANS ENERGY CENTER UNIT 1	1	120	0.01736	-0.17263	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	EVANS ENERGY CENTER UNIT 2	1	325	0.01736	-0.17263	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	EVANS ENERGY CENTER UNIT 2	1	325	0.01736	-0.17263	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	GILL ENERGY CENTER UNIT 1	1	23	0.04824	-0.20351	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	GILL ENERGY CENTER UNIT 1	1	23	0.04824	-0.20351	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	GILL ENERGY CENTER UNIT 2	1	52	0.0481	-0.20337	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	GILL ENERGY CENTER UNIT 2	1	52	0.0481	-0.20337	1			
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	GILL ENERGY CENTER UNIT 3	1	88	0.03453	-0.1898	1			
WERE	CITY OF WINFIELD	1	10.2	-0.15527	WERE	GILL ENERGY CENTER UNIT 3	1	88	0.03453	-0.1898	1			

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

WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	GILL ENERGY CENTER UNIT 4	1	82.99999	0.03007	-0.18534	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	GILL ENERGY CENTER UNIT 4	1	82.99999	0.03007	-0.18534	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0063	-0.16157	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0063	-0.16157	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0063	-0.16157	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0063	-0.16157	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.0063	-0.16157	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.0063	-0.16157	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.0063	-0.16157	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.0063	-0.16157	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.0063	-0.16157	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.0063	-0.16157	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.00629	-0.16156	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.00629	-0.16156	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00599	-0.16126	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00599	-0.16126	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00597	-0.16124	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00597	-0.16124	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00597	-0.16124	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00597	-0.16124	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	30	0.00568	-0.16095	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	30	0.00568	-0.16095	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.00568	-0.16095	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.00568	-0.16095	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	239.942	0.00582	-0.16109	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	239.942	0.00582	-0.16109	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.00598	-0.16125	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.00598	-0.16125	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.00598	-0.16125	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.00598	-0.16125	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	WACO	1	17.96	0.02878	-0.18405	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	WACO	1	17.96	0.02878	-0.18405	1
WERE	CLAY CENTER JUNCTION	1	28.7	0.00621	WERE	GILL ENERGY CENTER UNIT 1	1	23	0.04824	-0.04203	4
WERE	CLAY CENTER JUNCTION	1	28.7	0.00621	WERE	GILL ENERGY CENTER UNIT 2	1	52	0.0481	-0.04189	4
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.0063	WERE	GILL ENERGY CENTER UNIT 1	1	23	0.04824	-0.04194	4
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.0063	WERE	GILL ENERGY CENTER UNIT 2	1	52	0.0481	-0.0418	4
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.0063	WERE	GILL ENERGY CENTER UNIT 1	1	23	0.04824	-0.04194	4
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.0063	WERE	GILL ENERGY CENTER UNIT 2	1	52	0.0481	-0.0418	4
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00599	WERE	GILL ENERGY CENTER UNIT 1	1	23	0.04824	-0.04225	4
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00599	WERE	GILL ENERGY CENTER UNIT 2	1	52	0.0481	-0.04211	4

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

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

Upgrade: CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1
 Limiting Facility: CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1
 Direction: From->To
 Line Outage: GILL ENERGY CENTER WEST - PECK 69KV CKT 1
 Flowgate: 57543575531577965783011306SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	1.8	3.6
1032993	0.9	3.6
1033723	0.9	3.6

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WELLINGTON	5	16	-1	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0	-1	4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	CHANUTE GENERATION SUB	14	33.658	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CHANUTE GENERATION SUB	14	33.658	0	-1	4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	CITY OF ERIE	1	20	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CITY OF ERIE	1	20	0	-1	4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	CITY OF WINFIELD	1	24.41401	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CITY OF WINFIELD	1	24.41401	0	-1	4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0	-1	4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	GILL ENERGY CENTER UNIT 4	1	77	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	GILL ENERGY CENTER UNIT 4	1	77	0	-1	4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0	-1	4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0	-1	4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0	-1	4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0	-1	4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0	-1	4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.2985	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.2985	0	-1	4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0	-1	4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0	-1	4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	WACO	1	17.964	0	-1	4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	WACO	1	17.964	0	-1	4

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

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

Upgrade: CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1
 Limiting Facility: CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1
 Direction: From->To
 Line Outage: GILL ENERGY CENTER WEST - PECK 69KV CKT 1
 Flowgate: 57543575631577965783011407SH
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032990	3.1	7.7	WERE	CITY OF WELLINGTON	5	20	-1	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0	-1	8
1032993	1.1	7.7	WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0	-1	8
1032994	2.3	7.7	WERE	CITY OF WELLINGTON	5	20	-1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0	-1	8
1033723	1.1	7.7	WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	14.89819	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	14.89819	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	CHANUTE GENERATION SUB	14	33.041	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CHANUTE GENERATION SUB	14	33.041	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	CITY OF ERIE	1	20	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CITY OF ERIE	1	20	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	CITY OF WINFIELD	1	19.46902	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CITY OF WINFIELD	1	19.46902	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	CLAY CENTER JUNCTION	1	9999	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CLAY CENTER JUNCTION	1	9999	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	GILL ENERGY CENTER UNIT 3	1	78	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	GILL ENERGY CENTER UNIT 3	1	78	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	GILL ENERGY CENTER UNIT 4	1	77	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	GILL ENERGY CENTER UNIT 4	1	77	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	236.5818	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	236.5818	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0	-1	8
			WERE	CITY OF WELLINGTON	5	20	-1	WERE	WACO	1	17.947	0	-1	8
			WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	WACO	1	17.947	0	-1	8

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

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

Upgrade: GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1
 Limiting Facility: GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: GILL ENERGY CENTER SOUTH - GILL ENERGY CENTER WEST 138KV CKT 1
 Flowgate: GILL3GSU2421570465704511106FA
 Date Redispatch Needed: 10/1/06 - 12/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	3.0	14.7
1032990	2.7	14.7
1032993	2.1	14.7
1032993	2.2	14.7
1033723	1.6	14.7
1033723	1.5	14.7
1034312	1.5	14.7

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.88212	17
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	WACO	1	17.957	0.21831	-0.86232	17
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.04351	-0.68752	21
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.04276	-0.68677	21
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.01484	-0.65885	22
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	19.26538	0.01484	-0.65885	22
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.01481	-0.65882	22
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.01484	-0.65885	22
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.01779	-0.6618	22
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00991	-0.65392	23
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	CHANUTE GENERATION SUB	14	26.96	-0.00539	-0.63862	23
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	CITY OF ERIE	1	19.971	-0.00539	-0.63862	23
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00632	-0.65033	23
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00625	-0.65026	23
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00625	-0.65026	23
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00438	-0.64839	23
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.0047	-0.64871	23
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00538	-0.64939	23
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00538	-0.64939	23
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.51953	28
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.51834	28
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	WACO	1	17.957	0.21831	-0.49973	29
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	WACO	1	17.957	0.21831	-0.49854	30
WERE	CITY OF WELLINGTON	5	20	-0.15089	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.389	38
WERE	CITY OF WELLINGTON	6	19.5	-0.15089	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.389	38
WERE	CITY OF WELLINGTON	5	20	-0.15089	WERE	WACO	1	17.957	0.21831	-0.3692	40
WERE	CITY OF WELLINGTON	6	19.5	-0.15089	WERE	WACO	1	17.957	0.21831	-0.3692	40
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.04351	-0.32493	45
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.04276	-0.32418	45
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.04351	-0.32374	46
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.04276	-0.32299	46
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.01779	-0.29921	49
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.01779	-0.29802	49
WERE	CITY OF WINFIELD	1	20.95499	-0.05872	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.29683	50
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.01484	-0.29626	50
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	19.26538	0.01484	-0.29626	50
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.01481	-0.29623	50
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.01484	-0.29626	50
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.01484	-0.29507	50
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	19.26538	0.01484	-0.29507	50
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.01481	-0.29504	50
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.01484	-0.29507	50
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00991	-0.29133	51
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00632	-0.28774	51
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00625	-0.28767	51
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00625	-0.28767	51
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00538	-0.2868	51
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00538	-0.2868	51
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00991	-0.29014	51
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00632	-0.28655	51
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00625	-0.28648	51
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00625	-0.28648	51
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00438	-0.2858	52
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.0047	-0.28612	52
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00438	-0.28461	52
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.0047	-0.28493	52
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00538	-0.28561	52

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

WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00538	-0.28561	52
WERE	CITY OF WINFIELD	1	20.95499	-0.05872	WERE	WACO	1	17.957	0.21831	-0.27703	53
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	CHANUTE GENERATION SUB	14	26.96	-0.00539	-0.27603	53
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	CITY OF ERIE	1	19.971	-0.00539	-0.27603	53
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	CHANUTE GENERATION SUB	14	26.96	-0.00539	-0.27484	54
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	CITY OF ERIE	1	19.971	-0.00539	-0.27484	54
WERE	GETTY	1	35	-0.02105	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.25916	57
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	-0.00452	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.24263	61
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	0.00438	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.23373	63
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	0.0047	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.23341	63
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.00539	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.23272	63
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	37.99999	0.00538	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.23273	63
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00632	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.23179	64
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.00625	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.23186	64
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	0.01484	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.22327	66
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.01783	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.22028	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.01783	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.22028	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.01783	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.22028	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.01783	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.22028	67
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.01786	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.22025	67
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.01779	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.22032	67
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.04276	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.19535	75
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.04351	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.1946	76
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.04351	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.1946	76

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

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

Upgrade: GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1
 Limiting Facility: GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: GILL ENERGY CENTER SOUTH - GILL ENERGY CENTER WEST 138KV CKT 1
 Flowgate: GILL3GSU2421570465704511106SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount												
1032990	2.8	7.9												
1032993	1.8	7.9												
1033723	1.6	7.9												
1034312	1.5	7.9												
1034394	0.2	7.9												
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.88213	9			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	WACO	1	17.964	0.21828	-0.86233	9			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00991	-0.65396	12			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00542	-0.63863	12			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	CITY OF ERIE	1	20	-0.00542	-0.63863	12			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.04273	-0.68678	12			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.01776	-0.66181	12			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0063	-0.65035	12			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00623	-0.65028	12			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00623	-0.65028	12			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00435	-0.6484	12			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.00468	-0.64873	12			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00536	-0.64941	12			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00536	-0.64941	12			
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	CITY OF WINFIELD	1	24.41401	-0.05876	-0.58529	14			
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28145	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.51953	15			
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28027	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.51835	15			
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28145	WERE	WACO	1	17.964	0.21828	-0.49973	16			
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28027	WERE	WACO	1	17.964	0.21828	-0.49855	16			
WERE	CITY OF WELLINGTON	5	16	-0.15092	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.389	20			
WERE	CITY OF WELLINGTON	5	19.5	-0.15092	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.389	20			
WERE	CITY OF WELLINGTON	6	16	-0.15092	WERE	WACO	1	17.964	0.21828	-0.3692	22			
WERE	CITY OF WELLINGTON	6	19.5	-0.15092	WERE	WACO	1	17.964	0.21828	-0.3692	22			
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28145	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.04273	-0.32418	24			
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28027	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.04273	-0.323	25			
WERE	CITY OF WINFIELD	1	10.2	-0.05876	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.29684	27			
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28145	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00991	-0.29136	27			
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28145	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.01776	-0.29921	27			
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28027	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00991	-0.29018	27			
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28027	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.01776	-0.29803	27			
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28145	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0063	-0.28775	28			
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28145	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00623	-0.28768	28			
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28145	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00623	-0.28768	28			
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28145	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00435	-0.2858	28			
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28145	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.00468	-0.28613	28			
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28145	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00536	-0.28681	28			
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28145	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00536	-0.28681	28			
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28027	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0063	-0.28657	28			
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28027	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00623	-0.2865	28			
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28027	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00623	-0.2865	28			
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28027	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00435	-0.28462	28			
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28027	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.00468	-0.28495	28			
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28027	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00536	-0.28563	28			
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28027	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00536	-0.28563	28			
WERE	CITY OF WINFIELD	1	10.2	-0.05876	WERE	WACO	1	17.964	0.21828	-0.27704	29			
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28145	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00542	-0.27603	29			
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28145	WERE	CITY OF ERIE	1	20	-0.00542	-0.27603	29			
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28027	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00542	-0.27485	29			
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28027	WERE	CITY OF ERIE	1	20	-0.00542	-0.27485	29			
WERE	GETTY	1	35	-0.02108	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.25916	31			
WERE	GETTY	1	35	-0.02108	WERE	WACO	1	17.964	0.21828	-0.23936	33			
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	-0.00456	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.24264	33			
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.0063	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.23178	34			
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.00623	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.23185	34			
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.00623	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.23185	34			
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	0.00435	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.23373	34			
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	0.00435	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.23373	34			
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.80345	0.00468	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.2334	34			
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.00537	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.23271	34			

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2		21	0.00537	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.23271	34
WERE	TECUMSEH ENERGY CENTER UNIT 7	1		15	0.00536	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.23272	34
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	37.99999	0.00536	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.23272	34	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	0.01482	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.22326	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	0.01482	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.22326	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	0.01482	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.22326	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	0.01479	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.22329	36
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	0.01482	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.22326	36
WERE	GILL ENERGY CENTER UNIT 1	1		44	-0.28145	WERE	CITY OF WINFIELD	1	24.41401	-0.05876	-0.22269	36	
WERE	GILL ENERGY CENTER UNIT 2	1		74	-0.28027	WERE	CITY OF WINFIELD	1	24.41401	-0.05876	-0.22151	36	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1		78	0.0178	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.22028	36
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1		52	0.0178	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.22028	36
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1		50	0.0178	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.22028	36
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1		52	0.0178	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.22028	36
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1		18	0.01783	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.22025	36
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1		18	0.01783	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.22025	36
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1		31	0.01783	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.22025	36
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	42.7534	0.01776	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.23808	-0.22032	36	
WERE	NEOSHO ENERGY CENTER UNIT 3	1		67	-0.00456	WERE	WACO	1	17.964	0.21828	-0.22284	36	
WERE	JEFFREY ENERGY CENTER UNIT 1	1		24	0.0063	WERE	WACO	1	17.964	0.21828	-0.21198	37	
WERE	JEFFREY ENERGY CENTER UNIT 2	1		20	0.00623	WERE	WACO	1	17.964	0.21828	-0.21205	37	
WERE	JEFFREY ENERGY CENTER UNIT 3	1		22	0.00623	WERE	WACO	1	17.964	0.21828	-0.21205	37	
WERE	LAWRENCE ENERGY CENTER UNIT 3	1		59	0.00435	WERE	WACO	1	17.964	0.21828	-0.21393	37	
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.0001	0.00435	WERE	WACO	1	17.964	0.21828	-0.21393	37		
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	0.00468	WERE	WACO	1	17.964	0.21828	-0.2136	37		
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1		20	0.00537	WERE	WACO	1	17.964	0.21828	-0.21291	37	
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2		21	0.00537	WERE	WACO	1	17.964	0.21828	-0.21291	37	
WERE	TECUMSEH ENERGY CENTER UNIT 7	1		15	0.00536	WERE	WACO	1	17.964	0.21828	-0.21292	37	
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	37.99999	0.00536	WERE	WACO	1	17.964	0.21828	-0.21292	37		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	0.01482	WERE	WACO	1	17.964	0.21828	-0.20346	39	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	0.01482	WERE	WACO	1	17.964	0.21828	-0.20346	39	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	0.01482	WERE	WACO	1	17.964	0.21828	-0.20346	39	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	0.01479	WERE	WACO	1	17.964	0.21828	-0.20349	39	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	0.01482	WERE	WACO	1	17.964	0.21828	-0.20346	39	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1		78	0.0178	WERE	WACO	1	17.964	0.21828	-0.20048	40	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1		52	0.0178	WERE	WACO	1	17.964	0.21828	-0.20048	40	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1		50	0.0178	WERE	WACO	1	17.964	0.21828	-0.20048	40	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1		52	0.0178	WERE	WACO	1	17.964	0.21828	-0.20048	40	
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1		18	0.01783	WERE	WACO	1	17.964	0.21828	-0.20045	40	
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1		18	0.01783	WERE	WACO	1	17.964	0.21828	-0.20045	40	
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1		31	0.01783	WERE	WACO	1	17.964	0.21828	-0.20045	40	

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

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

Upgrade: GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1
 Limiting Facility: GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: GILL ENERGY CENTER SOUTH (GILL 5X) 138/69/13.2KV TRANSFORMER CKT 1
 Flowgate: GILL3GSU2421GILL5X4211306SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032993	1.7	4.4
1033723	1.5	4.4
1034312	1.1	4.4

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.88527	5
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	WACO	1	17.97	0.10347	-0.8746	5
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00428	-0.77541	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00662	-0.77775	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00662	-0.77775	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.0066	-0.77773	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00662	-0.77775	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00118	-0.76995	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	CITY OF ERIE	1	20	-0.00118	-0.76995	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	CITY OF WINFIELD	1	26.6	-0.04436	-0.72677	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.00922	-0.78035	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.00922	-0.78035	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	EVANS ENERGY CENTER UNIT 1	1	70.8677	0.00893	-0.78006	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00893	-0.78006	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00802	-0.77915	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00266	-0.77379	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00263	-0.77376	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00263	-0.77376	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.0019	-0.77303	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0019	-0.77303	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.6747	0.00199	-0.77312	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00224	-0.77337	6
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00224	-0.77337	6
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.53316	8
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	WACO	1	17.97	0.10347	-0.52249	8
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.53215	8
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	WACO	1	17.97	0.10347	-0.52148	8
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	CITY OF WELLINGTON	5	20	-0.19915	-0.57198	8
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	CITY OF WELLINGTON	6	11.50201	-0.19915	-0.57198	8
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00428	-0.4233	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00662	-0.42564	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00662	-0.42564	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.0066	-0.42562	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00662	-0.42564	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00118	-0.41784	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	CITY OF ERIE	1	20	-0.00118	-0.41784	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.00922	-0.42824	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.00922	-0.42824	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	EVANS ENERGY CENTER UNIT 1	1	70.8677	0.00893	-0.42795	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00893	-0.42795	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00802	-0.42704	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00266	-0.42168	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00263	-0.42165	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00263	-0.42165	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.0019	-0.42092	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0019	-0.42092	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.6747	0.00199	-0.42101	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00224	-0.42126	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00224	-0.42126	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00428	-0.42229	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00662	-0.42463	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00662	-0.42463	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.0066	-0.42461	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00662	-0.42463	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00118	-0.41683	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	CITY OF ERIE	1	20	-0.00118	-0.41683	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.00922	-0.42723	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.00922	-0.42723	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	EVANS ENERGY CENTER UNIT 1	1	70.8677	0.00893	-0.42694	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00893	-0.42694	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00802	-0.42603	10

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

WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00266	-0.42067	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00263	-0.42064	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00263	-0.42064	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.0019	-0.41991	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0019	-0.41991	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.6747	0.00199	-0.42	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00224	-0.42025	10
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00224	-0.42025	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	CITY OF WINFIELD	1	26.6	-0.04436	-0.37466	12
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	CITY OF WINFIELD	1	26.6	-0.04436	-0.37365	12
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.77113	WERE	GILL ENERGY CENTER UNIT 2	1	27	-0.41801	-0.35312	12
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	CITY OF WELLINGTON	6	11.50201	-0.19915	-0.21987	20
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.41902	WERE	CITY OF WELLINGTON	5	20	-0.19915	-0.21987	20
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	CITY OF WELLINGTON	5	20	-0.19915	-0.21886	20
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	CITY OF WELLINGTON	6	11.50201	-0.19915	-0.21886	20
WERE	CITY OF WINFIELD	1	10.2	-0.04436	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.1585	28
WERE	CITY OF WINFIELD	1	10.2	-0.04436	WERE	WACO	1	17.97	0.10347	-0.14783	30
WERE	GETTY	1	35	-0.00552	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11966	36
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00093	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11507	38
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00266	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11148	39
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.00263	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11151	39
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.00263	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11151	39
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	0.0019	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11224	39
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	39.32532	0.00199	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11215	39
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.00225	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11189	39
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.00225	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11189	39
WERE	TECUMSEH ENERGY CENTER UNIT 7	1	15	0.00224	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11119	39
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	18	0.00224	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11119	39
WERE	GETTY	1	35	-0.00552	WERE	WACO	1	17.97	0.10347	-0.10899	40
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	0.00662	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.10752	41
WERE	EVANS ENERGY CENTER UNIT 1	1	50.1323	0.00893	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.10521	41
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.00893	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.10521	41
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.00804	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.1061	41
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.00804	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.1061	41
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.00804	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.1061	41
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.00804	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.1061	41
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.00806	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.10608	41
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.00806	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.10608	41
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.00806	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.10608	41

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

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

Upgrade: GILL ENERGY CENTER WEST - PECK 69KV
 Limiting Facility: GILL ENERGY CENTER WEST - PECK 69KV CKT 1
 Direction: From->To
 Line Outage: EL PASO - FARBER 138KV CKT 1
 Flowgate: 57796578301570395704214406FA
 Date Redispatch Needed: 10/1/06 - 12/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	0.0	0.0
1032990	0.0	0.0
1032990	0.0	0.0
1032990	0.0	0.0
1032993	0.0	0.0
1032993	0.0	0.0
1032993	0.0	0.0
1032993	0.0	0.0
1032993	0.0	0.0
1032993	0.0	0.0
1033723	0.0	0.0
1033723	0.0	0.0
1033723	0.0	0.0
1033723	0.0	0.0
1034312	0.0	0.0
1034312	0.0	0.0

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00609	-0.49487	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00609	-0.49487	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00606	-0.49484	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00606	-0.49484	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00606	-0.49484	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00606	-0.49484	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00605	-0.49483	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00605	-0.49483	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00606	-0.49484	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00606	-0.49484	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	CHANUTE GENERATION SUB	14	26.96	0.00254	-0.49132	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	CHANUTE GENERATION SUB	14	26.96	0.00254	-0.49132	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	CITY OF ERIE	1	19.971	0.00254	-0.49132	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	CITY OF ERIE	1	19.971	0.00254	-0.49132	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01696	-0.50574	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01696	-0.50574	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01689	-0.50567	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01689	-0.50567	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.03343	-0.52221	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.03343	-0.52221	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.02913	-0.51791	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.02913	-0.51791	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00615	-0.49493	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00615	-0.49493	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00593	-0.49471	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00593	-0.49471	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0059	-0.49468	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0059	-0.49468	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0059	-0.49468	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0059	-0.49468	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00564	-0.49442	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00564	-0.49442	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6008	0.00577	-0.49455	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6008	0.00577	-0.49455	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00592	-0.4947	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00592	-0.4947	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.00592	-0.4947	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.00592	-0.4947	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	WACO	1	17.957	0.0279	-0.51668	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	WACO	1	17.957	0.0279	-0.51668	0
WERE	CITY OF WINFIELD	T	26.6	-0.14875	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00609	-0.15484	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00609	-0.15484	0
WERE	CITY OF WINFIELD	T	26.6	-0.14875	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00606	-0.15481	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00606	-0.15481	0
WERE	CITY OF WINFIELD	T	26.6	-0.14875	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00606	-0.15481	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00606	-0.15481	0
WERE	CITY OF WINFIELD	T	26.6	-0.14875	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00605	-0.1548	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00605	-0.1548	0
WERE	CITY OF WINFIELD	T	26.6	-0.14875	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00606	-0.15481	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00606	-0.15481	0

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	CHANUTE GENERATION SUB	14	26.96	0.00254	-0.15129	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	CHANUTE GENERATION SUB	14	26.96	0.00254	-0.15129	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	CITY OF ERIE	1	19.971	0.00254	-0.15129	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	CITY OF ERIE	1	19.971	0.00254	-0.15129	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01696	-0.16571	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01696	-0.16571	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01689	-0.16564	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01689	-0.16564	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.03343	-0.18218	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.03343	-0.18218	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.02913	-0.17788	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.02913	-0.17788	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00615	-0.1549	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00615	-0.1549	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00593	-0.15468	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00593	-0.15468	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0059	-0.15465	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0059	-0.15465	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0059	-0.15465	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0059	-0.15465	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00564	-0.15439	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00564	-0.15439	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6008	0.00577	-0.15452	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6008	0.00577	-0.15452	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00592	-0.15467	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00592	-0.15467	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.00592	-0.15467	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.00592	-0.15467	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	WACO	1	17.957	0.0279	-0.17665	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	WACO	1	17.957	0.0279	-0.17665	0
WERE	CHANUTE GENERATION SUB	14	15.84	0.00254	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.03343	-0.03089	1
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00235	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.03343	-0.03108	1

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: GILL ENERGY CENTER WEST - PECK 69KV
 Limiting Facility: GILL ENERGY CENTER WEST - PECK 69KV CKT 1
 Direction: From->To
 Line Outage: CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1
 Flowgate: 57796578301575435755311206SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	1.5	3.0
1032990	1.5	3.0
1032993	0.7	3.0
1032993	0.7	3.0
1033723	0.7	3.0
1033723	0.7	3.0

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WELLINGTON	5	16	-1	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	CHANUTE GENERATION SUB	14	33.658	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CHANUTE GENERATION SUB	14	33.658	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	CITY OF ERIE	1	20	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CITY OF ERIE	1	20	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	CITY OF WINFIELD	1	24.41401	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CITY OF WINFIELD	1	24.41401	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	GILL ENERGY CENTER UNIT 3	1	26.07373	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	GILL ENERGY CENTER UNIT 3	1	26.07373	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	GILL ENERGY CENTER UNIT 4	1	77	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	GILL ENERGY CENTER UNIT 4	1	77	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.3939	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.3939	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0	-1	3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	WACO	1	17.964	0	-1	3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	WACO	1	17.964	0	-1	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

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

Upgrade: HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1
 Limiting Facility: HOLCOMB - PLYMELL 115KV CKT 1
 Direction: From->To
 Line Outage: FLETCHER - HOLCOMB 115KV CKT 1
 Flowgate: 56448563931564205644812106SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1034407	0.9	2.7
1034420	0.8	2.7
1034424	0.9	2.7

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	CIMARRON RIVER PLANT GENERATOR	1	58	-0.36557	WEPL	A. M. MULLERGRENN GENERATOR	3	63	0.00329	-0.36886	7
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36557	WEPL	A. M. MULLERGRENN GENERATOR	3	63	0.00329	-0.36886	7
WEPL	CIMARRON RIVER PLANT GENERATOR	1	58	-0.36557	WEPL	CLIFTON GENERATOR	1	16.74585	0.00184	-0.36741	7
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36557	WEPL	CLIFTON GENERATOR	1	16.74585	0.00184	-0.36741	7
WEPL	CIMARRON RIVER PLANT GENERATOR	1	58	-0.36557	WEPL	JUDSON LARGE GENERATOR	4	108.8452	-0.07875	-0.28682	9
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36557	WEPL	JUDSON LARGE GENERATOR	4	108.8452	-0.07875	-0.28682	9

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1
 Limiting Facility: HOLCOMB - PLYMELL 115KV CKT 1
 Direction: From->To
 Line Outage: FLETCHER - HOLCOMB 115KV CKT 1
 Flowgate: 56448563931564205644812106SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1034407	1.1	3.1
1034420	0.9	3.1
1034424	1.1	3.1

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	CIMARRON RIVER PLANT GENERATOR	1	32.0448	-0.36634	WEPL	A. M. MULLERGREY GENERATOR	3	63	0.0032	-0.36954	8
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36634	WEPL	A. M. MULLERGREY GENERATOR	3	63	0.0032	-0.36954	8
WEPL	CIMARRON RIVER PLANT GENERATOR	1	32.0448	-0.36634	WEPL	CLIFTON GENERATOR	1	65	0.0018	-0.36814	8
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36634	WEPL	CLIFTON GENERATOR	1	65	0.0018	-0.36814	8
WEPL	CIMARRON RIVER PLANT GENERATOR	1	32.0448	-0.36634	WEPL	JUDSON LARGE GENERATOR	4	110.0329	-0.07904	-0.2873	11
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36634	WEPL	JUDSON LARGE GENERATOR	4	110.0329	-0.07904	-0.2873	11

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1
 Limiting Facility: HOLCOMB - PLYMELL 115KV CKT 1
 Direction: From->To
 Line Outage: FLETCHER - HOLCOMB 115KV CKT 1
 Flowgate: 56448563931564205644812107SH
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1034407	0.8	2.4
1034420	0.7	2.4
1034424	0.8	2.4

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	CIMARRON RIVER PLANT GENERATOR	1	58	-0.36605	WEPL	A. M. MULLERGREY GENERATOR	3	63	0.00404	-0.37009	7
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36605	WEPL	A. M. MULLERGREY GENERATOR	3	63	0.00404	-0.37009	7
WEPL	CIMARRON RIVER PLANT GENERATOR	1	58	-0.36605	WEPL	CLIFTON GENERATOR	1	18.84103	0.00189	-0.36794	7
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36605	WEPL	CLIFTON GENERATOR	1	18.84103	0.00189	-0.36794	7
WEPL	CIMARRON RIVER PLANT GENERATOR	1	58	-0.36605	WEPL	JUDSON LARGE GENERATOR	4	107.0685	-0.07908	-0.28697	8
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36605	WEPL	JUDSON LARGE GENERATOR	4	107.0685	-0.07908	-0.28697	8

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1
 Limiting Facility: HOLCOMB - PLYMELL 115KV CKT 1
 Direction: From->To
 Line Outage: FLETCHER - HOLCOMB 115KV CKT 1
 Flowgate: 56448563931564205644814107SP
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1034407	1.2	3.4
1034420	1.0	3.4
1034424	1.2	3.4

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	CIMARRON RIVER PLANT GENERATOR	1	33	-0.36687	WEPL	A. M. MULLERGRENN GENERATOR	3	63	0.00395	-0.37082	9
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36687	WEPL	A. M. MULLERGRENN GENERATOR	3	63	0.00395	-0.37082	9
WEPL	CIMARRON RIVER PLANT GENERATOR	1	33	-0.36687	WEPL	CLIFTON GENERATOR	1	55.57748	0.00186	-0.36873	9
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36687	WEPL	CLIFTON GENERATOR	1	55.57748	0.00186	-0.36873	9
WEPL	CIMARRON RIVER PLANT GENERATOR	1	33	-0.36687	WEPL	JUDSON LARGE GENERATOR	4	105.7208	-0.07938	-0.28749	12
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36687	WEPL	JUDSON LARGE GENERATOR	4	105.7208	-0.07938	-0.28749	12

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1
 Limiting Facility: HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1
 Direction: To->From
 Line Outage: TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1
 Flowgate: 57192571801571805718214106SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1034363	10.5	13.2
1034394	1.0	13.2
1034628	1.7	13.2

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	0.00159	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89412	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	0.00159	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89412	15
WERE	CITY OF WINFIELD	1	14.8	0.00032	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89539	15
WERE	CITY OF WINFIELD	T	10.2	0.00032	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89539	15
WERE	CITY OF WINFIELD	T	14.8	0.00032	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89539	15
WERE	CITY OF WINFIELD	T	10.2	0.00032	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89539	15
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.00042	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89529	15
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.00042	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89529	15
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.00042	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89529	15
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.00042	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89529	15
WERE	GETTY	1	35	0.00028	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89543	15
WERE	GETTY	1	35	0.00028	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89543	15
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.00039	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89532	15
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.00039	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89532	15
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.0004	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89531	15
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.0004	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89531	15
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.00143	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89428	15
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.00143	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89428	15
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.00143	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89428	15
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.00143	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89428	15
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.00144	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89427	15
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.00144	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89427	15
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00198	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89373	15
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00198	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89373	15
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.0007	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89501	15
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.0007	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89501	15
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.0007	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89501	15
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.0007	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89501	15
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	34.21176	0.00067	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89504	15
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	34.21176	0.00067	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89504	15
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00014	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89557	15
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00014	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89557	15
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.60728	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.28843	46
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.60728	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.28843	46
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.60728	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.28843	46
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.60728	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.28843	46

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

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

Upgrade: HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1
 Limiting Facility: HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1
 Direction: To->From
 Line Outage: TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1
 Flowgate: 57192571801571805718214406FA
 Date Redispatch Needed: 10/1/06 - 12/1/06

Reservation	Relief Amount	Aggregate Relief Amount									
1034363	0.5	0.7									
1034394	0.1	0.7									
1034628	0.1	0.7									
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	0.00151	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89414	1
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	0.00151	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89414	1
WERE	CHANUTE GENERATION SUB	14	15.84	0.00015	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.8955	1
WERE	CHANUTE GENERATION SUB	14	15.84	0.00015	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.8955	1
WERE	CITY OF WELLINGTON	5	16	0.00036	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89529	1
WERE	CITY OF WELLINGTON	6	19.5	0.00036	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89529	1
WERE	CITY OF WELLINGTON	5	16	0.00036	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89529	1
WERE	CITY OF WELLINGTON	6	19.5	0.00036	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89529	1
WERE	CITY OF WINFIELD	1	26.6	0.00033	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89532	1
WERE	CITY OF WINFIELD	1	10.2	0.00033	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89532	1
WERE	CITY OF WINFIELD	1	26.6	0.00033	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89532	1
WERE	CITY OF WINFIELD	1	10.2	0.00033	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89532	1
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89521	1
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89521	1
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89521	1
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89521	1
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89521	1
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89521	1
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89521	1
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89521	1
WERE	GETTY	1	35	0.00029	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89536	1
WERE	GETTY	1	35	0.00029	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89536	1

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

WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00041	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89524	1
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00041	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89524	1
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00041	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89524	1
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00041	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89524	1
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.00041	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89524	1
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.00041	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89524	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428	1
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428	1
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00188	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89377	1
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00188	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89377	1
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.00065	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.895	1
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.00065	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.895	1
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.00065	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.895	1
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.00065	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.895	1
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.00004	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89569	1
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.00004	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89569	1
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.00007	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89572	1
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.00007	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89572	1
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.3992	0.00067	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89498	1
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.3992	0.00067	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89498	1
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00015	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.8955	1
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00015	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.8955	1
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.6072	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.28845	2
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.6072	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.28845	2
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.6072	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.28845	2
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.6072	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.28845	2

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: KELLY - KING HILL N.M. COOP 115KV CKT 1
 Limiting Facility: KELLY - KING HILL N.M. COOP 115KV CKT 1
 Direction: To->From
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 57217573311567655677211106FA
 Date Redispatch Needed: 10/1/06 - 12/1/06

Reservation	Relief Amount	Aggregate Relief Amount											
1032956	0.8	3.6											
1034363	2.4	3.6											
1034394	0.3	3.6											
1037591	0.1	3.6											
Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)		
WEPL	CLIFTON GENERATOR	1	70	-0.08331	WEPL	A. M. MULLERGRENNER GENERATOR	3	25	0.01901	-0.10232	35		
WEPL	CLIFTON GENERATOR	1	70	-0.08331	WEPL	JUDSON LARGE GENERATOR	4	70.11459	0.01026	-0.09357	38		
WERE	GETTY	1	35	-0.0023	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.06475	56		
WERE	GETTY	1	35	-0.0023	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.06475	56		
WERE	GETTY	1	35	-0.0023	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.06282	57		
WERE	GETTY	1	35	-0.0023	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.06282	57		
WERE	GETTY	1	35	-0.0023	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.05954	61		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05606	64		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05606	64		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.05413	67		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.05413	67		
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05336	68		
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05336	68		
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05336	68		
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05336	68		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05178	70		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05178	70		
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05178	70		
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05178	70		
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05177	70		
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05177	70		
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00909	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.05143	70		
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00909	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.05143	70		
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00909	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.05143	70		
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00909	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.05143	70		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.05085	71		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.04985	72		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.04985	72		
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.04985	72		
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.04985	72		
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.04984	72		
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.04984	72		
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04815	75		
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04815	75		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04657	77		
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04657	77		
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04656	77		
WERE	GETTY	1	35	-0.0023	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.04637	78		
WERE	GETTY	1	35	-0.0023	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03833	-0.04063	89		
WERE	GETTY	1	35	-0.0023	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03833	-0.04063	89		
WERE	GETTY	1	35	-0.0023	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.03588	-0.03818	94		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.03768	96		
WERE	GETTY	1	35	-0.0023	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.03472	-0.03702	97		
WERE	GETTY	1	35	-0.0023	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.03356	-0.03586	100		
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00909	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.03498	103		
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00909	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.03498	103		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.0334	108		
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01067	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.0334	108		
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.03339	108		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03833	-0.03194	113		

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: KELLY - KING HILL N.M. COOP 115KV CKT 1
 Limiting Facility: KELLY - KING HILL N.M. COOP 115KV CKT 1
 Direction: To->From
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 5721757331156765567211107FA
 Date Redispatch Needed: 10/1/07 - 12/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1032956	0.5	5.7
1032992	0.7	5.7
1034234	0.8	5.7
1034276	1.7	5.7
1034363	1.6	5.7
1034394	0.2	5.7
1037591	0.1	5.7

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	CLIFTON GENERATOR	1	70	-0.08353	WEPL	A. M. MULLERGEN GENERATOR	3	61.53732	0.02055	-0.10408	55
WEPL	CLIFTON GENERATOR	1	70	-0.08353	WEPL	JUDSON LARGE GENERATOR	4	92.98975	0.01108	-0.09461	60
WERE	GETTY	1	35	-0.00236	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.06451	88
WERE	GETTY	1	35	-0.00236	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.06451	88
WERE	GETTY	1	35	-0.00236	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.06261	91
WERE	GETTY	1	35	-0.00236	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.06261	91
WERE	GETTY	1	35	-0.00236	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.0593	96
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05576	102
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05576	102
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.05386	105
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.05386	105
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05304	107
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05304	107
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05304	107
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05304	107
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05148	110
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05148	110
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05148	110
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05148	110
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05147	110
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05147	110
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.05114	111
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.05114	111
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.05114	111
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.05114	111
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.05055	112
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.04958	114
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.04958	114
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.04958	114
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.04958	114
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.04957	115
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.04957	115
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04783	119
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04783	119
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04627	123
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04627	123
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04626	123
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	CLAY CENTER JUNCTION	1	9999	0.04447	-0.03808	149
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	CLAY CENTER JUNCTION	1	9999	0.04447	-0.03536	161
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	CLAY CENTER JUNCTION	1	9999	0.04447	-0.03338	168
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	CLAY CENTER JUNCTION	1	9999	0.04447	-0.03338	168
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	CLAY CENTER JUNCTION	1	9999	0.04447	-0.03379	168

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: KELLY - KING HILL N.M. COOP 115KV CKT 1
 Limiting Facility: KELLY - KING HILL N.M. COOP 115KV CKT 1
 Direction: To->From
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 57217573311567655677211306WP
 Date Redispatch Needed: 12/1/06 - 4/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1022463	4.1	9.3
1032956	0.8	9.3
1034363	2.5	9.3
1034394	0.3	9.3
1034407	1.4	9.3
1037591	0.1	9.3

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	CLIFTON GENERATOR	1	70	-0.08293	WEPL	A. M. MULLERGEN GENERATOR	3	45.50854	0.01937	-0.1023	91
WEPL	CLIFTON GENERATOR	1	70	-0.08293	WEPL	JUDSON LARGE GENERATOR	4	88.80332	0.01063	-0.09356	99
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00659	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05618	165
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00659	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05618	165
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00935	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05342	174
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00935	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05342	174
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00952	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05325	174
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00952	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05325	174
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.00957	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.0532	174
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.00957	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.0532	174
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05184	179
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05184	179
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05184	179
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05184	179
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05184	179
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05184	179
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05183	179
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05183	179
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05183	179
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05183	179
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00659	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.05097	182
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00935	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04821	192
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00952	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04804	193
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.00957	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04799	193
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04663	199
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04663	199
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04663	199
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04662	199
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04662	199

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: KELLY - KING HILL N.M. COOP 115KV CKT 1
 Limiting Facility: KELLY - KING HILL N.M. COOP 115KV CKT 1
 Direction: To->From
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 57217573311567655677211307WP
 Date Redispatch Needed: 12/1/07 - 4/1/08

Reservation	Relief Amount	Aggregate Relief Amount
1022463	3.1	9.8
1032956	0.5	9.8
1032992	0.7	9.8
1032992	0.5	9.8
1034234	0.8	9.8
1034276	1.8	9.8
1034363	2.1	9.8
1034394	0.2	9.8
1037591	0.1	9.8

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	CLIFTON GENERATOR	1	70	-0.08337	WEPL	A. M. MULLERGREN GENERATOR	3	41.28804	0.02068	-0.10405	94
WEPL	CLIFTON GENERATOR	1	70	-0.08337	WEPL	JUDSON LARGE GENERATOR	4	90.65675	0.01122	-0.09459	104
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06224	-0.0531	185
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06224	-0.0531	185
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06224	-0.05154	190
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06224	-0.05154	190
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06224	-0.05153	190
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06224	-0.05153	190
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.06035	-0.05121	191
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.06035	-0.04965	197
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.06035	-0.04964	198
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05704	-0.0479	205
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05704	-0.04634	212
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05704	-0.04633	212
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	CLAY CENTER JUNCTION	1	9999	0.04457	-0.03386	290

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2
 Limiting Facility: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1
 Flowgate: LAWHL29X1631568535685511106SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032956	0.9	4.5	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.75508	6
1034394	0.3	4.5	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.7583	6
1035259	3.3	4.5	WERE	CITY OF WELLINGTON	5	16	0.01555	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39646	11
			WERE	CITY OF WELLINGTON	6	19.5	0.01555	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39646	11
			WERE	CITY OF WINFIELD	7	10.2	0.01438	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39763	11
			WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01936	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39265	11
			WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	30	0.01936	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39265	11
			WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	64	0.01936	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39265	11
			WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01937	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39264	11
			WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.01937	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39264	11
			WERE	GETTY	1	35	0.01535	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39666	11
			WERE	GILL ENERGY CENTER UNIT 1	1	44	0.0177	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39431	11
			WERE	GILL ENERGY CENTER UNIT 2	1	74	0.0177	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39431	11
			WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01785	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39416	11
			WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00545	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.40656	11
			WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.01449	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39752	11
			WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.01449	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39752	11
			WERE	TECUMSEH ENERGY CENTER UNIT 7	1	15	0.0114	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.40061	11
			WERE	TECUMSEH ENERGY CENTER UNIT 8	1	37.99999	0.0114	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.40061	11
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	0.03627	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37574	12
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	0.03627	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37574	12
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0.03627	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37574	12
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0.03623	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37578	12
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	0.03627	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37574	12
			WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.03473	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37728	12
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.03473	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37728	12
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.03473	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37728	12
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.03473	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37728	12
			WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.03472	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37729	12
			WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.03472	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37729	12
			WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.03472	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37729	12
			WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	42.7534	0.03474	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37727	12
			WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.03729	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37472	12
			WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.02809	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.38392	12
			WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.02809	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.38392	12

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

WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04058	-0.38365	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01937	-0.36244	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01785	-0.36092	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0179	-0.36097	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.03474	-0.37781	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03729	-0.38036	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02809	-0.37116	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02809	-0.37116	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	WACO	1	17.964	0.01805	-0.36112	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04058	-0.38687	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	CITY OF WINFIELD	1	24.41401	0.01438	-0.36067	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01937	-0.36566	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01785	-0.36414	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0179	-0.36419	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.03474	-0.38103	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03729	-0.38358	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02809	-0.37438	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02809	-0.37438	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	WACO	1	17.964	0.01805	-0.36434	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	CHANUTE GENERATION SUB	14	33.658	0.00523	-0.3483	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	CITY OF ERIE	1	20	0.00523	-0.3483	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	CITY OF WINFIELD	1	24.41401	0.01438	-0.35745	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0114	-0.35447	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0114	-0.35447	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	CHANUTE GENERATION SUB	14	33.658	0.00523	-0.35152	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	CITY OF ERIE	1	20	0.00523	-0.35152	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0114	-0.35769	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0114	-0.35769	13
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00545	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03729	-0.03184	141

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2
 Limiting Facility: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1
 Flowgate: LAWHL29X1631568535685511106SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032956	1.6	7.8
1034363	2.1	7.8
1034394	0.6	7.8
1034628	0.3	7.8
1035259	3.3	7.8

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.7583	10
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00545	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.40656	19
WERE	CITY OF WINFIELD	1	10.2	0.01438	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39763	20
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01936	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39265	20
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.01937	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39264	20
WERE	GETTY	1	35	0.01535	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39666	20
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.01777	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39431	20
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01785	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39416	20
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.02809	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.38392	20
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.02809	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.38392	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04058	-0.38687	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03627	-0.38256	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.03627	-0.38256	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03623	-0.38252	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.03627	-0.38256	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03729	-0.38358	20
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.01449	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39752	20
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.01449	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39752	20
WERE	TECUMSEH ENERGY CENTER UNIT 7	1	15	0.0114	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.40061	20
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	18	0.0114	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.40061	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	0.03627	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.37574	21
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	0.03473	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.37728	21
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.03473	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.37728	21
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.03474	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.37727	21
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.03729	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.37472	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01936	-0.36565	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01936	-0.36565	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	EVANS ENERGY CENTER UNIT 1	1	120	0.01937	-0.36566	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01937	-0.36566	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.03473	-0.38102	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.03473	-0.38102	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.03472	-0.38101	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.03472	-0.38101	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.03472	-0.38101	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.03474	-0.38103	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02809	-0.37438	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02809	-0.37438	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	WACO	1	17.97	0.01805	-0.36434	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	CHANUTE GENERATION SUB	14	42.755	0.00523	-0.35152	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	CITY OF ERIE	1	20	0.00523	-0.35152	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	CITY OF WELLINGTON	5	20	0.01555	-0.36184	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	CITY OF WELLINGTON	6	11.50201	0.01555	-0.36184	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	CITY OF WINFIELD	1	26.6	0.01438	-0.36067	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	GILL ENERGY CENTER UNIT 1	1	18	0.01777	-0.36399	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	GILL ENERGY CENTER UNIT 2	1	27	0.01777	-0.36399	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01785	-0.36414	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0179	-0.36419	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0114	-0.35769	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.0114	-0.35769	22

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2
 Limiting Facility: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1
 Flowgate: LAWHL29X1631568535685511107SH
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032956	0.7	7.4	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.75409	10
1034234	0.9	7.4	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.75722	10
1034276	2.1	7.4	WERE	CITY OF WINFIELD	1	10.2	0.01459	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.40014	18
1034394	0.2	7.4	WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00551	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.40922	18
1035259	3.4	7.4	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	15	0.01318	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.40155	18
			WERE	TECUMSEH ENERGY CENTER UNIT 8	1	37.99999	0.01318	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.40155	18
			WERE	CITY OF WELLINGTON	5	20	0.01584	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.39889	19
			WERE	CITY OF WELLINGTON	6	19.5	0.01584	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.39889	19
			WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01958	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.39515	19
			WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01958	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.39515	19
			WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01959	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.39514	19
			WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.01959	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.39514	19
			WERE	GETTY	1	35	0.01556	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.39917	19
			WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01793	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.3968	19
			WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01793	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.3968	19
			WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01809	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.39664	19
			WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.02901	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.38572	19
			WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.02901	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.38572	19
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04367	-0.38303	19
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	CLAY CENTER JUNCTION	1	9999	0.04598	-0.38534	19
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04367	-0.38616	19
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.0375	-0.37999	19
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03745	-0.37994	19
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.0375	-0.37999	19
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	CLAY CENTER JUNCTION	1	9999	0.04598	-0.38847	19
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0386	-0.38109	19
			WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.01625	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.39848	19
			WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.01625	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.39848	19
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	25.74512	0.0375	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.37723	20
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0.0375	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.37723	20
			WERE	CLAY CENTER JUNCTION	1	28.7	0.04598	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.36875	20
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	0.03604	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.37869	20
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.03604	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.37869	20
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.03604	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.37869	20
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.03604	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.37869	20
			WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.03603	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.3787	20
			WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.03603	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.3787	20
			WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.03603	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.3787	20
			WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.03605	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.37868	20
			WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.0386	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.37613	20

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

WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.0375	-0.37686	20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03745	-0.37681	20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.0375	-0.37686	20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.03605	-0.37541	20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0386	-0.37796	20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02901	-0.36837	20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02901	-0.36837	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01958	-0.36207	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01959	-0.36208	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01809	-0.36058	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01814	-0.36063	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.03605	-0.37854	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02901	-0.3715	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02901	-0.3715	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	WACO	1	17.947	0.01829	-0.36078	20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	CHANUTE GENERATION SUB	14	33.041	0.00531	-0.34467	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	CITY OF ERIE	1	20	0.00531	-0.34467	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	CITY OF WINFIELD	1	19.46902	0.01459	-0.35395	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01958	-0.35894	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01959	-0.35895	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01809	-0.35745	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01814	-0.3575	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01318	-0.35254	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01318	-0.35254	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	WACO	1	17.947	0.01829	-0.35765	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	CHANUTE GENERATION SUB	14	33.041	0.00531	-0.3478	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	CITY OF ERIE	1	20	0.00531	-0.3478	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	CITY OF WINFIELD	1	19.46902	0.01459	-0.35708	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01318	-0.35567	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01318	-0.35567	21
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00551	WERE	CLAY CENTER JUNCTION	1	9999	0.04598	-0.04047	183

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2
 Limiting Facility: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1
 Flowgate: LAWHL29X1631568535685511107SP
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1032956	1.1	10.7
1032994	2.7	10.7
1034234	0.9	10.7
1034276	2.1	10.7
1034394	0.4	10.7
1035259	3.4	10.7

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00551	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.40922	26
WERE	CITY OF WELLINGTON	6	15.6	0.01584	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.39889	27
WERE	CITY OF WINFIELD	7	10.2	0.01459	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.40014	27
WERE	GETTY	1	35	0.01556	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.39917	27
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.01625	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.39848	27
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.01625	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.39848	27
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	24.41943	0.0375	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.37723	28
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.03604	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.37869	28
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	0.03604	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.37869	28
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.0386	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.37613	28
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.02901	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.38572	28
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.02901	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.38572	28
WERE	CLAY CENTER JUNCTION	1	28.7	0.04598	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.36875	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

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

Upgrade: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2
 Limiting Facility: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1
 Flowgate: LAWHL29X1631568535685511307FA
 Date Redispatch Needed: 10/1/07 - 12/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1022463	3.1	25.3
1032956	0.8	25.3
1032994	4.9	25.3
1034234	0.9	25.3
1034276	2.4	25.3
1034363	4.8	25.3
1034394	0.2	25.3
1034589	1.1	25.3
1034590	2.6	25.3
1034628	1.1	25.3
1035259	3.4	25.3

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.75722	33
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.75409	34
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00549	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.40921	62
WERE	CITY OF WINFIELD	1	26.6	0.01456	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.40014	63
WERE	GETTY	1	35	0.01554	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.39916	63
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.01622	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.39848	63
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	37.99999	0.01315	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.40155	63
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01956	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.39514	64
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01956	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.39514	64
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01956	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.39514	64
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01957	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.39513	64
WERE	EVANS ENERGY CENTER UNIT 2	1	24.54999	0.01957	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.39513	64
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.0179	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.3968	64
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.0179	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.3968	64
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.01806	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.39664	64
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	CLAY CENTER JUNCTION	1	9999	0.04594	-0.38846	65
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.02898	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.38572	66
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	CLAY CENTER JUNCTION	1	9999	0.04594	-0.38533	66
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03857	-0.38109	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	0.03747	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37723	67
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	0.03747	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37723	67
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0.03747	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37723	67
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0.03742	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37728	67
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	0.03747	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37723	67
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.036	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.3787	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.036	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.3787	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.036	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.3787	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.036	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.3787	67
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.03599	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37871	67
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	0.03601	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37869	67

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

WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.03857	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37613	67
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0.03601	-0.3754	67
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03857	-0.37796	67
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0.03601	-0.37853	67
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	46	0.04364	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37106	68
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02898	-0.3715	68
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02898	-0.3715	68
WERE	CLAY CENTER JUNCTION	1	28.7	0.04594	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.36876	69
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02898	-0.36837	69
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02898	-0.36837	69
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	EVANS ENERGY CENTER UNIT 2	1	303.45	0.01957	-0.35896	70
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	EVANS ENERGY CENTER UNIT 2	1	303.45	0.01957	-0.36209	70
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01811	-0.36063	70
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01811	-0.3575	71
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01315	-0.35567	71
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01315	-0.35567	71
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01315	-0.35254	72
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01315	-0.35254	72
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	CHANUTE GENERATION SUB	14	42.721	0.00529	-0.34468	73
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	CHANUTE GENERATION SUB	14	42.721	0.00529	-0.34781	73

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2
 Limiting Facility: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1
 Flowgate: LAWHL29X1631568535685511307WP
 Date Redispatch Needed: 12/1/07 - 4/1/08

Reservation	Relief Amount	Aggregate Relief Amount
1032956	0.9	9.5
1032994	1.6	9.5
1034234	0.9	9.5
1034276	2.5	9.5
1034394	0.3	9.5
1035259	3.4	9.5

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.75408	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.75721	13
WERE	CHANUTE GENERATION SUB	14	21.55	0.0052	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.40944	23
WERE	CITY OF ERIE	1	16	0.0052	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.40944	23
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00541	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.40923	23
WERE	CITY OF WELLINGTON	5	20	0.01573	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39891	24
WERE	CITY OF WELLINGTON	6	19.5	0.01573	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39891	24
WERE	CITY OF WINFIELD	1	26.18	0.01448	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.40016	24
WERE	CITY OF WINFIELD	1	10.2	0.01448	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.40016	24
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01948	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39516	24
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01948	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39516	24
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01949	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39515	24
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.01949	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39515	24
WERE	GETTY	1	35	0.01546	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39918	24
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01783	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39681	24
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01783	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39681	24
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01799	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39665	24
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	CLAY CENTER JUNCTION	1	9999	0.04589	-0.38846	24
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.01617	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39847	24
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.01617	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39847	24
WERE	TECUMSEH ENERGY CENTER UNIT 7	1	15	0.0131	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.40154	24
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	20.46069	0.0131	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.40154	24
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	0.03742	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.37722	25
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.03595	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.37869	25
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.03595	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.37869	25
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.03595	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.37869	25
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.03595	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.37869	25
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.03594	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.3787	25
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.03594	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.3787	25
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.03594	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.3787	25
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.03596	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.37868	25
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.03852	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.37612	25
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.02893	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.38571	25
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.02893	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.38571	25

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

WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04359	-0.38303	25
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03742	-0.37686	25
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.03742	-0.37686	25
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03737	-0.37681	25
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.03742	-0.37686	25
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	CLAY CENTER JUNCTION	1	9999	0.04589	-0.38533	25
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.03596	-0.3754	25
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03852	-0.37796	25
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04359	-0.38616	25
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03742	-0.37999	25
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.03742	-0.37999	25
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03737	-0.37994	25
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.03742	-0.37999	25
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.03596	-0.37853	25
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03852	-0.38109	25
WERE	CLAY CENTER JUNCTION	1	28.7	0.04589	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.36875	26
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01948	-0.35892	26
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01949	-0.35893	26
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02893	-0.36837	26
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02893	-0.36837	26
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01948	-0.36205	26
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01949	-0.36206	26
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01799	-0.36056	26
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01804	-0.36061	26
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02893	-0.3715	26
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02893	-0.3715	26
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	WACO	1	17.93	0.01819	-0.36076	26
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01799	-0.35743	27
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01804	-0.35748	27
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0131	-0.35254	27
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.0131	-0.35254	27
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	WACO	1	17.93	0.01819	-0.35763	27
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	CHANUTE GENERATION SUB	14	21.25	0.0052	-0.34777	27
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0131	-0.35567	27
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.0131	-0.35567	27
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	CHANUTE GENERATION SUB	14	21.25	0.0052	-0.34464	28

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2
 Limiting Facility: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1
 Flowgate: LAWWHL29X1631568535685513106WP
 Date Redispatch Needed: 12/1/06 - 4/1/07

Reservation		Relief Amount	Aggregate Relief Amount
1032956		1.2	4.8
1034394		0.3	4.8
1035259		3.3	4.8

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34296	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.75502	6
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34618	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.75824	6
WERE	CHANUTE GENERATION SUB	14	20.036	0.00515	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.40691	12
WERE	CITY OF ERIE	1	16	0.00515	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.40691	12
WERE	CITY OF WELLINGTON	5	20	0.01545	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39661	12
WERE	CITY OF WELLINGTON	6	19.5	0.01545	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39661	12
WERE	CITY OF WINFIELD	1	10.2	0.01428	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39778	12
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01924	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39282	12
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01924	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39282	12
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01924	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39282	12
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01925	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39281	12
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01925	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39281	12
WERE	GETTY	1	35	0.01527	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39679	12
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.0176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39446	12
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.0176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39446	12
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.01775	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39431	12
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.0178	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39426	12
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.02836	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.3837	12
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.02836	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.3837	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34618	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03783	-0.38401	12
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00536	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.4067	12
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.01489	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39717	12
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.01489	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39717	12
WERE	TECUMSEH ENERGY CENTER UNIT 7	1	85	0.01175	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.40031	12
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	75.49927	0.01175	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.40031	12
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	0.04293	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.36913	13
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	0.03671	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37535	13
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	0.03671	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37535	13
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0.03671	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37535	13
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0.03666	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.3754	13
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	0.03671	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37535	13
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.03509	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37697	13
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.03509	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37697	13
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.03509	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37697	13
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.03509	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37697	13
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.03508	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37698	13
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.03508	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37698	13
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.03508	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37698	13
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	0.0351	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37696	13
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.03783	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37423	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34296	WERE	CITY OF WINFIELD	1	24.34801	0.01428	-0.35724	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34296	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.01925	-0.36221	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34296	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03783	-0.38079	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34296	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02836	-0.37132	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34296	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02836	-0.37132	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34296	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.01175	-0.35471	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34296	WERE	WACO	1	17.953	0.01795	-0.36091	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34618	WERE	CITY OF WINFIELD	1	24.34801	0.01428	-0.36046	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34618	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.01925	-0.36543	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34618	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02836	-0.37454	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34618	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02836	-0.37454	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34618	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.01175	-0.35793	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34618	WERE	WACO	1	17.953	0.01795	-0.36413	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34296	WERE	CHANUTE GENERATION SUB	14	22.764	0.00515	-0.34811	14
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34618	WERE	CHANUTE GENERATION SUB	14	22.764	0.00515	-0.35133	14
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00536	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03783	-0.03247	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

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

Upgrade: MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1
 Limiting Facility: MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1
 Direction: To->From
 Line Outage: LANG - WICHITA 345KV CKT 1
 Flowgate: MEDD-LDG42431567695679611106FA
 Date Redispatch Needed: 10/1/06 - 12/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	0.5	6.1
1032993	1.1	6.1
1032993	1.1	6.1
1033723	0.3	6.1
1033723	0.3	6.1
1034312	0.3	6.1
1034394	0.1	6.1
1035259	2.5	6.1

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.11657	52
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.11656	52
WEPL	CLIFTON GENERATOR	1	70	0.02528	WEPL	JUDSON LARGE GENERATOR	4	70.11459	0.13518	-0.1099	55
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05108	-0.10473	58
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.10463	58
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.05108	-0.10473	58
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05108	-0.10472	58
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.10462	58
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.05108	-0.10472	58
WERE	CITY OF WELLINGTON	5	20	-0.03932	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.10224	60
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.10135	60
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.10135	60
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.10124	60
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.03832	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.10124	60
WERE	GETTY	1	35	-0.03036	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.09328	65
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05108	-0.08951	68
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.08941	68
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05108	-0.08951	68
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.08941	68
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05108	-0.0894	68
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.0893	68
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.03832	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05108	-0.0894	68
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.03832	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.0893	68
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.03105	-0.0847	72
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.03105	-0.08469	72
WERE	GETTY	1	35	-0.03036	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05108	-0.08144	75
WERE	GETTY	1	35	-0.03036	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.08134	75
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	-0.00926	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.07218	84
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01759	-0.07124	85
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01759	-0.07123	85
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0174	-0.07105	86
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0174	-0.07105	86
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0174	-0.07104	86
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0174	-0.07104	86
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.03105	-0.06948	88
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.03105	-0.06948	88
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.03105	-0.06937	88

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

WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01403	-0.06768	90
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01403	-0.06768	90
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01403	-0.06767	90
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01403	-0.06767	90
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.01192	-0.06557	93
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.01192	-0.06556	93
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01123	-0.06488	94
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01123	-0.06487	94
WERE	GETTY	1	35	-0.03036	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.03105	-0.06141	99
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	-0.00926	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.06024	101
WEPL	CIMARRON RIVER PLANT GENERATOR	1	58	0.07805	WEPL	JUDSON LARGE GENERATOR	4	70.11459	0.13518	-0.05713	106
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01759	-0.05602	109
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0174	-0.05583	109
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0174	-0.05583	109
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01759	-0.05602	109
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0174	-0.05583	109
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0174	-0.05583	109
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01759	-0.05591	109
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0174	-0.05572	109
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0174	-0.05572	109
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01403	-0.05246	116
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01403	-0.05246	116
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01403	-0.05246	116
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01403	-0.05246	116
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01403	-0.05235	116
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01403	-0.05235	116
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	0.01123	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.05169	118
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.01192	-0.05035	121
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.01192	-0.05035	121
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.01192	-0.05024	121
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01123	-0.04966	123
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01123	-0.04966	123
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01123	-0.04955	123
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	0.01123	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.03975	153

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1
 Limiting Facility: MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1
 Direction: To->From
 Line Outage: GEN:56751 1
 Flowgate: MEDD-LDG42431GEN567511107SP
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1024415	0.3	1.6
1032993	0.2	1.6
1034234	0.1	1.6
1034259	0.2	1.6
1034276	0.2	1.6
1035259	0.6	1.6

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WELLINGTON	6	15.6	-0.03262	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0545	-0.08712	18
WERE	CITY OF WELLINGTON	6	15.6	-0.03262	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0545	-0.08712	18
WERE	CITY OF WELLINGTON	6	15.6	-0.03262	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.05462	-0.08724	18
WERE	CITY OF WELLINGTON	6	15.6	-0.03262	WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.05462	-0.08724	18
WERE	CITY OF WELLINGTON	6	15.6	-0.03262	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.05462	-0.08724	18
WERE	CITY OF WELLINGTON	6	15.6	-0.03262	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.05435	-0.08697	18
WERE	CITY OF WINFIELD	T	10.2	-0.02377	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0545	-0.07827	20
WERE	CITY OF WINFIELD	T	10.2	-0.02377	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0545	-0.07827	20
WERE	CITY OF WINFIELD	T	10.2	-0.02377	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.05462	-0.07839	20
WERE	CITY OF WINFIELD	T	10.2	-0.02377	WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.05462	-0.07839	20
WERE	CITY OF WINFIELD	T	10.2	-0.02377	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.05462	-0.07839	20
WERE	CITY OF WINFIELD	T	10.2	-0.02377	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.05435	-0.07812	20
WERE	GETTY	1	35	-0.02301	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.05462	-0.07763	20
WERE	GETTY	1	35	-0.02301	WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.05462	-0.07763	20
WERE	GETTY	1	35	-0.02301	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.05462	-0.07763	20
WERE	CITY OF WELLINGTON	6	15.6	-0.03262	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.04317	-0.07579	21
WERE	CITY OF WELLINGTON	6	15.6	-0.03262	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.04317	-0.07579	21
WERE	CITY OF WELLINGTON	6	15.6	-0.03262	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.04307	-0.07569	21
WERE	CITY OF WELLINGTON	6	15.6	-0.03262	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.04317	-0.07579	21
WERE	GETTY	1	35	-0.02301	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0545	-0.07751	21
WERE	GETTY	1	35	-0.02301	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0545	-0.07751	21
WERE	GETTY	1	35	-0.02301	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.05435	-0.07736	21
WERE	CITY OF WINFIELD	T	10.2	-0.02377	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.04317	-0.06694	24
WERE	CITY OF WINFIELD	T	10.2	-0.02377	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.04317	-0.06694	24
WERE	CITY OF WINFIELD	T	10.2	-0.02377	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.04307	-0.06684	24
WERE	CITY OF WINFIELD	T	10.2	-0.02377	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.04317	-0.06694	24
WERE	GETTY	1	35	-0.02301	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.04317	-0.06618	24
WERE	GETTY	1	35	-0.02301	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.04317	-0.06618	24
WERE	GETTY	1	35	-0.02301	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.04307	-0.06608	24
WERE	GETTY	1	35	-0.02301	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.04317	-0.06618	24
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0545	-0.06172	26
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0545	-0.06172	26
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.05462	-0.06184	26
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.05462	-0.06184	26
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.05462	-0.06184	26
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.05435	-0.06157	26
WERE	CITY OF WELLINGTON	6	15.6	-0.03262	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.02328	-0.0559	28
WERE	CITY OF WELLINGTON	6	15.6	-0.03262	WERE	CLAY CENTER JUNCTION	1	9999	0.01869	-0.05131	31
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856	0.00462	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0545	-0.04988	32
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856	0.00462	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0545	-0.04988	32
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856	0.00462	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.05462	-0.05	32
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856	0.00462	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.05435	-0.04973	32
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.04317	-0.05039	32
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.04317	-0.05039	32
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.04307	-0.05029	32
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.04317	-0.05039	32
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.00634	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0545	-0.04816	33
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.00634	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0545	-0.04816	33
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.00634	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0545	-0.04816	33
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.00634	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0545	-0.04816	33
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.00634	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.05462	-0.04828	33
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.00634	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.05462	-0.04828	33
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.00634	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.05435	-0.04801	33
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.00634	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.05435	-0.04801	33
WERE	GETTY	1	35	-0.02301	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.02328	-0.04629	34
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.00975	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.05462	-0.04487	35
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.00975	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.05462	-0.04487	35
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00983	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0545	-0.04467	36

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	JEFFREY ENERGY CENTER UNIT 1	1		24	0.00983	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1		30	0.0545	-0.04467	36
WERE	JEFFREY ENERGY CENTER UNIT 1	1		24	0.00983	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1		20	0.05462	-0.04479	36
WERE	JEFFREY ENERGY CENTER UNIT 1	1		24	0.00983	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1		150	0.05435	-0.04452	36
WERE	JEFFREY ENERGY CENTER UNIT 2	1		20	0.00975	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1		30	0.0545	-0.04475	36
WERE	JEFFREY ENERGY CENTER UNIT 2	1		20	0.00975	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1		30	0.0545	-0.04475	36
WERE	JEFFREY ENERGY CENTER UNIT 2	1		20	0.00975	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1		150	0.05435	-0.0446	36
WERE	JEFFREY ENERGY CENTER UNIT 3	1		22	0.00975	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1		30	0.0545	-0.04475	36
WERE	JEFFREY ENERGY CENTER UNIT 3	1		22	0.00975	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1		30	0.0545	-0.04475	36
WERE	JEFFREY ENERGY CENTER UNIT 3	1		22	0.00975	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1		150	0.05435	-0.0446	36
WERE	CITY OF WELLINGTON	6		15.6	-0.03262	WERE	JEFFREY ENERGY CENTER UNIT 1	1		470	0.00983	-0.04245	37
WERE	CITY OF WELLINGTON	6		15.6	-0.03262	WERE	JEFFREY ENERGY CENTER UNIT 2	1		470	0.00975	-0.04237	38
WERE	CITY OF WELLINGTON	6		15.6	-0.03262	WERE	JEFFREY ENERGY CENTER UNIT 3	1		470	0.00975	-0.04237	38
WERE	GETTY	1		35	-0.02301	WERE	CLAY CENTER JUNCTION	1		9999	0.01869	-0.0417	38
WERE	CITY OF WELLINGTON	6		15.6	-0.03262	WERE	TECUMSEH ENERGY CENTER UNIT 7	1		55	0.0062	-0.03882	41
WERE	CITY OF WELLINGTON	6		15.6	-0.03262	WERE	TECUMSEH ENERGY CENTER UNIT 8	1		103	0.0062	-0.03882	41
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		26.86856	0.00462	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		30	0.04317	-0.03855	41
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		26.86856	0.00462	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		30	0.04317	-0.03855	41
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		26.86856	0.00462	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		55	0.04307	-0.03845	41
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		26.86856	0.00462	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		20	0.04317	-0.03855	41
WERE	CITY OF WELLINGTON	6		15.6	-0.03262	WERE	LAWRENCE ENERGY CENTER UNIT 3	1		30	0.00444	-0.03706	43
WERE	CITY OF WELLINGTON	6		15.6	-0.03262	WERE	LAWRENCE ENERGY CENTER UNIT 4	1		75	0.00444	-0.03706	43
WERE	CITY OF WELLINGTON	6		15.6	-0.03262	WERE	LAWRENCE ENERGY CENTER UNIT 5	1		242.1314	0.00462	-0.03724	43
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1		20	0.00634	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		30	0.04317	-0.03683	43
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2		21	0.00634	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		30	0.04317	-0.03683	43
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1		20	0.00634	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		30	0.04317	-0.03683	43
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2		21	0.00634	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		30	0.04317	-0.03683	43
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1		20	0.00634	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		55	0.04307	-0.03673	43
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2		21	0.00634	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		55	0.04307	-0.03673	43
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1		20	0.00634	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		20	0.04317	-0.03683	43
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2		21	0.00634	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		20	0.04317	-0.03683	43
WERE	CLAY CENTER JUNCTION	1		28.7	0.01869	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1		30	0.0545	-0.03581	44
WERE	CLAY CENTER JUNCTION	1		28.7	0.01869	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1		30	0.0545	-0.03581	44
WERE	CLAY CENTER JUNCTION	1		28.7	0.01869	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1		20	0.05462	-0.03593	44
WERE	CLAY CENTER JUNCTION	1		28.7	0.01869	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1		150	0.05435	-0.03566	45
WERE	GETTY	1		35	-0.02301	WERE	JEFFREY ENERGY CENTER UNIT 1	1		470	0.00983	-0.03284	48
WERE	JEFFREY ENERGY CENTER UNIT 1	1		24	0.00983	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		30	0.04317	-0.03334	48
WERE	JEFFREY ENERGY CENTER UNIT 1	1		24	0.00983	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		30	0.04317	-0.03334	48
WERE	JEFFREY ENERGY CENTER UNIT 1	1		24	0.00983	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		55	0.04307	-0.03324	48
WERE	JEFFREY ENERGY CENTER UNIT 1	1		24	0.00983	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		20	0.04317	-0.03334	48
WERE	JEFFREY ENERGY CENTER UNIT 2	1		20	0.00975	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		30	0.04317	-0.03342	48
WERE	JEFFREY ENERGY CENTER UNIT 2	1		20	0.00975	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		30	0.04317	-0.03342	48
WERE	JEFFREY ENERGY CENTER UNIT 2	1		20	0.00975	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		55	0.04307	-0.03332	48

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1
 Limiting Facility: MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: BUTLER 138/69KV TRANSFORMER CKT 1 & CKT 2
 Flowgate: MIDDIAN1X1421BUTLER1206SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	2.5	6.6
1032990	2.0	6.6
1032993	0.8	6.6
1033723	0.8	6.6
1034312	0.5	6.6

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	GETTY	1	35	-0.71976	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00018	-0.71958	9
WERE	GETTY	1	35	-0.71976	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00049	-0.71927	9
WERE	GETTY	1	35	-0.71976	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00049	-0.71927	9
WERE	GETTY	1	35	-0.71976	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00048	-0.71928	9
WERE	GETTY	1	35	-0.71976	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00049	-0.71927	9
WERE	GETTY	1	35	-0.71976	WERE	CHANUTE GENERATION SUB	14	42.755	0.00841	-0.72817	9
WERE	GETTY	1	35	-0.71976	WERE	CITY OF ERIE	1	20	0.00841	-0.72817	9
WERE	GETTY	1	35	-0.71976	WERE	CITY OF WELLINGTON	6	11.50201	-0.01978	-0.69998	9
WERE	GETTY	1	35	-0.71976	WERE	CITY OF WELLINGTON	5	20	-0.01978	-0.69998	9
WERE	GETTY	1	35	-0.71976	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00836	-0.71114	9
WERE	GETTY	1	35	-0.71976	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00836	-0.71114	9
WERE	GETTY	1	35	-0.71976	WERE	EVANS ENERGY CENTER UNIT 1	1	84.38041	-0.00833	-0.71143	9
WERE	GETTY	1	35	-0.71976	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00833	-0.71143	9
WERE	GETTY	1	35	-0.71976	WERE	GILL ENERGY CENTER UNIT 2	1	27	-0.01315	-0.70661	9
WERE	GETTY	1	35	-0.71976	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.01195	-0.70781	9
WERE	GETTY	1	35	-0.71976	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.01155	-0.70821	9
WERE	GETTY	1	35	-0.71976	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00064	-0.71912	9
WERE	GETTY	1	35	-0.71976	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00012	-0.71988	9
WERE	GETTY	1	35	-0.71976	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00009	-0.71985	9
WERE	GETTY	1	35	-0.71976	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00009	-0.71985	9
WERE	GETTY	1	35	-0.71976	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.00005	-0.71981	9
WERE	GETTY	1	35	-0.71976	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00005	-0.71981	9
WERE	GETTY	1	35	-0.71976	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.4697	-0.00002	-0.71974	9
WERE	GETTY	1	35	-0.71976	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00016	-0.71992	9
WERE	GETTY	1	35	-0.71976	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00016	-0.71992	9
WERE	GETTY	1	35	-0.71976	WERE	WACO	1	17.97	-0.01123	-0.70853	9
WERE	GETTY	1	35	-0.71976	WERE	CITY OF WINFIELD	1	26.6	-0.04354	-0.67622	10

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: OAK - RAINBOW 69KV CKT 1
 Limiting Facility: OAK - RAINBOW 69KV CKT 1
 Direction: From->To
 Line Outage: OAK - STROTHER FIELD (CITY OF WINFIELD) 69KV CKT 1
 Flowgate: 57547575491575475755612306SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	1.3	6.9
1032990	1.8	6.9
1032990	1.3	6.9
1032993	0.6	6.9
1033723	0.6	6.9
1034312	1.4	6.9

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	CITY OF WELLINGTON	6	19.5	0.06276	-0.76375	9
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.76375	9
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	CITY OF WELLINGTON	6	19.5	0.06276	-0.76375	9
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.76375	9
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.0024	-0.69859	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.0024	-0.69859	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00217	-0.69882	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00217	-0.69882	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00217	-0.69882	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00217	-0.69882	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00217	-0.69882	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00217	-0.69882	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00217	-0.69882	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00217	-0.69882	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00251	-0.69848	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00251	-0.69848	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	CITY OF ERIE	1	20	-0.00251	-0.69848	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	CITY OF ERIE	1	20	-0.00251	-0.69848	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00446	-0.69653	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00446	-0.69653	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00447	-0.69652	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00447	-0.69652	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00255	-0.69844	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00255	-0.69844	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00309	-0.6979	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00309	-0.6979	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00208	-0.69891	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00208	-0.69891	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00252	-0.69847	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00252	-0.69847	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00251	-0.69848	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00251	-0.69848	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00251	-0.69848	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00251	-0.69848	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00247	-0.69852	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00247	-0.69852	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247	-0.69852	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247	-0.69852	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00251	-0.69848	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00251	-0.69848	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00256	-0.69843	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00256	-0.69843	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00256	-0.69843	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00256	-0.69843	10
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	WACO	1	17.97	-0.00323	-0.69776	10
WERE	CITY OF WINFIELD	1	10.2	-0.70099	WERE	WACO	1	17.97	-0.00323	-0.69776	10

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: OAK - RAINBOW 69KV CKT 1
 Limiting Facility: OAK - RAINBOW 69KV CKT 1
 Direction: From->To
 Line Outage: OAK - STROTHER FIELD (CITY OF WINFIELD) 69KV CKT 1
 Flowgate: 57547575491575475755614306SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	0.7	3.2
1032990	0.7	3.2
1032990	0.4	3.2
1032993	0.3	3.2
1033723	0.3	3.2
1034312	0.8	3.2

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.76375	4
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.76375	4
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.0024	-0.69859	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.0024	-0.69859	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00251	-0.69848	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00251	-0.69848	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	CITY OF ERIE	1	20	-0.00251	-0.69848	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CITY OF ERIE	1	20	-0.00251	-0.69848	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00447	-0.69652	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00447	-0.69652	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00255	-0.69844	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00255	-0.69844	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00309	-0.6979	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00309	-0.6979	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.00208	-0.69891	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.00208	-0.69891	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00252	-0.69847	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00252	-0.69847	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00251	-0.69848	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00251	-0.69848	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00251	-0.69848	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00251	-0.69848	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247	-0.69852	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247	-0.69852	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00251	-0.69848	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00251	-0.69848	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00256	-0.69843	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00256	-0.69843	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00256	-0.69843	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00256	-0.69843	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	WACO	1	17.964	-0.00323	-0.69776	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	WACO	1	17.964	-0.00323	-0.69776	5
WERE	GETTY	1	35	-0.01776	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.08052	39

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

WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.00446	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06722	47
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	-0.00446	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06722	47
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	-0.00446	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06722	47
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.00447	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06723	47
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.00447	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06723	47
WERE	GILL ENERGY CENTER UNIT 3	1	47.32935	-0.00255	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06531	48
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	-0.00252	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06528	48
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	-0.00251	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06527	48
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	-0.00251	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06527	48
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.00247	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06523	48
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.00247	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06523	48
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.3692	-0.00251	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06527	48
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	-0.00256	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06532	48
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	-0.00256	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06532	48
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	37.99999	-0.00256	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06532	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	49
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	49
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	-0.00177	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06453	49
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.00091	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06367	50
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.00093	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06369	50

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

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

Upgrade: PENNSYLVANIA - WESTMOORE 138KV CKT 1
 Limiting Facility: PENNSYLVANIA - WESTMOORE 138KV CKT 1
 Direction: To->From
 Line Outage: CIMARRON - CZECH HALL 138KV CKT 1
 Flowgate: 54925548871548985489411307FA
 Date Redispatch Needed: 10/1/07 - 12/1/07

Reservation		Relief Amount		Aggregate Relief Amount							
1032973		2.3		2.3							
Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	SMITH 1G	1	68	-0.2129	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.53474	4
OKGE	SMITH 1G	1	68	-0.2129	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.53474	4
OKGE	SMITH 1G	1	68	-0.2129	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.53474	4
OKGE	SMITH 1S	1	42	-0.2129	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.53474	4
OKGE	SMITH 1S	1	42	-0.2129	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.53474	4
OKGE	SMITH 1S	1	42	-0.2129	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.53474	4
OKGE	MUSTANG 1G	1	53	-0.15663	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.47847	5
OKGE	MUSTANG 1G	1	53	-0.15663	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.47847	5
OKGE	MUSTANG 1G	1	53	-0.15663	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.47847	5
OKGE	MUSTANG 2G	1	53	-0.15663	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.47847	5
OKGE	MUSTANG 2G	1	53	-0.15663	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.47847	5
OKGE	MUSTANG 2G	1	53	-0.15663	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.47847	5
OKGE	MUSTANG 3G	1	115.5	-0.16745	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.48929	5
OKGE	MUSTANG 3G	1	115.5	-0.16745	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.48929	5
OKGE	MUSTANG 3G	1	115.5	-0.16745	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.48929	5
OKGE	MUSTANG 4G	1	250	-0.16745	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.48929	5
OKGE	MUSTANG 4G	1	250	-0.16745	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.48929	5
OKGE	MUSTANG 4G	1	250	-0.16745	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.48929	5
OKGE	HORSESHOE LAKE 10 G	1	45.5	-0.055	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 10 G	1	45.5	-0.055	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 10 G	1	45.5	-0.055	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 6G	1	168.5	-0.055	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 6G	1	168.5	-0.055	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 6G	1	168.5	-0.055	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 7G	1	16	-0.05475	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.37659	6
OKGE	HORSESHOE LAKE 7G	1	16	-0.05475	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.37659	6
OKGE	HORSESHOE LAKE 7G	1	16	-0.05475	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.37659	6
OKGE	HORSESHOE LAKE 7S	1	211.5	-0.055	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 7S	1	211.5	-0.055	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 7S	1	211.5	-0.055	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 8G	1	380.5	-0.055	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 8G	1	380.5	-0.055	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 8G	1	380.5	-0.055	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 9G	1	45.5	-0.055	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 9G	1	45.5	-0.055	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 9G	1	45.5	-0.055	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.37684	6
OKGE	CONTINENTAL EMPIRE GEN	1	32	0.00078	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32106	7
OKGE	CONTINENTAL EMPIRE GEN	2	32	0.00078	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32106	7
OKGE	CONTINENTAL EMPIRE GEN	1	32	0.00078	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32106	7
OKGE	CONTINENTAL EMPIRE GEN	2	32	0.00078	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32106	7
OKGE	CONTINENTAL EMPIRE GEN	1	32	0.00078	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32106	7
OKGE	CONTINENTAL EMPIRE GEN	2	32	0.00078	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32106	7
OKGE	MUSKOGEE 3G	1	166	-0.0024	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32424	7
OKGE	MUSKOGEE 3G	1	166	-0.0024	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32424	7
OKGE	MUSKOGEE 3G	1	166	-0.0024	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32424	7
OKGE	MUSKOGEE 4G	1	20	-0.00226	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.3241	7
OKGE	MUSKOGEE 4G	1	20	-0.00226	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.3241	7
OKGE	MUSKOGEE 4G	1	20	-0.00226	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.3241	7
OKGE	MUSKOGEE 6G1	1	31	-0.0024	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32424	7
OKGE	MUSKOGEE 6G1	1	31	-0.0024	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32424	7
OKGE	MUSKOGEE 6G1	1	31	-0.0024	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32424	7
OKGE	ONE OAK 3&4	1	52	-0.01204	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33388	7
OKGE	ONE OAK 3&4	2	84	-0.01204	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33388	7
OKGE	ONE OAK 3&4	1	52	-0.01204	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33388	7
OKGE	ONE OAK 3&4	2	84	-0.01204	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33388	7
OKGE	ONE OAK 3&4	1	52	-0.01204	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33388	7
OKGE	ONE OAK 3&4	2	84	-0.01204	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33388	7
OKGE	REDBUD GEN	2	234	-0.01478	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662	7
OKGE	REDBUD GEN	2	234	-0.01478	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662	7
OKGE	REDBUD GEN	2	234	-0.01478	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662	7
OKGE	REDBUD GEN	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662	7
OKGE	REDBUD GEN	2	234	-0.01478	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662	7
OKGE	REDBUD GEN	2	234	-0.01478	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662	7

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

OKGE	REDBUD GEN	2	234	-0.01478	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662	7
OKGE	REDBUD GEN	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662	7
OKGE	REDBUD GEN	2	234	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662	7
OKGE	REDBUD GEN	2	234	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662	7
OKGE	REDBUD GEN	2	234	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662	7
OKGE	REDBUD GEN	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662	7
OKGE	REDBUD1S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662	7
OKGE	REDBUD1S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662	7
OKGE	REDBUD1S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662	7
OKGE	REDBUD2S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662	7
OKGE	REDBUD2S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662	7
OKGE	REDBUD2S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662	7
OKGE	REDBUD3S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662	7
OKGE	REDBUD3S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662	7
OKGE	REDBUD3S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662	7
OKGE	REDBUD4G	2	234	-0.01478	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662	7
OKGE	REDBUD4G	2	234	-0.01478	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662	7
OKGE	REDBUD4G	2	234	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662	7
OKGE	SEMINOLE 1G	1	101.0717	0.0086	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.31324	7
OKGE	SEMINOLE 1G	1	101.0717	0.0086	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.31324	7
OKGE	SEMINOLE 1G	1	101.0717	0.0086	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.31324	7
OKGE	SEMINOLE 2G	1	507.6	0.00917	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.31267	7
OKGE	SEMINOLE 2G	1	507.6	0.00917	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.31267	7
OKGE	SEMINOLE 2G	1	507.6	0.00917	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.31267	7
OKGE	SOONER UNIT 1	1	24.99997	-0.0079	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32974	7
OKGE	SOONER UNIT 1	1	24.99997	-0.0079	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32974	7
OKGE	SOONER UNIT 1	1	24.99997	-0.0079	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32974	7
OKGE	SOUTH 4TH ST	1	11	-0.00627	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32811	7
OKGE	SOUTH 4TH ST	3	11.5	-0.00627	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32811	7
OKGE	SOUTH 4TH ST	4	12	-0.00627	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32811	7
OKGE	SOUTH 4TH ST	1	11	-0.00627	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32811	7
OKGE	SOUTH 4TH ST	3	11.5	-0.00627	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32811	7
OKGE	SOUTH 4TH ST	4	12	-0.00627	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32811	7
OKGE	SOUTH 4TH ST	1	11	-0.00627	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32811	7
OKGE	SOUTH 4TH ST	3	11.5	-0.00627	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32811	7
OKGE	SOUTH 4TH ST	4	12	-0.00627	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32811	7
OKGE	TINKER 5G	1	31	-0.0324	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.35424	7

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: REDISPATCH FOR WOLF CREEK OUTAGE 07WP
 Limiting Facility: SWISSVALE (SWISV10X) 345/230/14.4KV TRANSFORMER CKT 1
 Direction: To->From
 Line Outage: LANG - MORRIS COUNTY 345KV CKT 1
 Flowgate: SWISV10X1761567695677011407WP
 Date Redispatch Needed: 12/1/07 - 4/1/08

Reservation	Relief Amount	Aggregate Relief Amount
1024414	0.9	12.6
1024415	1.2	12.6
1032956	0.5	12.6
1032992	0.1	12.6
1032993	0.3	12.6
1032993	0.3	12.6
1032994	1.1	12.6
1032994	1.1	12.6
1033000	0.1	12.6
1033000	0.1	12.6
1034234	0.9	12.6
1034259	0.6	12.6
1034276	2.0	12.6
1034312	0.3	12.6
1034363	0.5	12.6
1034394	0.2	12.6
1034589	0.1	12.6
1034590	0.3	12.6
1034595	0.5	12.6
1034628	0.1	12.6
1035259	1.4	12.6

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	-0.06076	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.41448	30
WERE	EVANS ENERGY CENTER UNIT 1	1	17.3398	-0.06081	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.41453	30
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.06081	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.41453	30
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05167	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.40539	31
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.05168	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.4054	31
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.05112	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.40484	31
WERE	CITY OF WELLINGTON	5	20	-0.04623	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.39995	32
WERE	CITY OF WELLINGTON	6	19.5	-0.04623	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.39995	32
WERE	CITY OF WINFIELD	1	26.18	-0.04333	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.39705	32
WERE	GETTY	1	35	-0.04486	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.39858	32
WERE	CHANUTE GENERATION SUB	14	21.55	-0.02499	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.37871	33
WERE	CITY OF ERIE	1	16	-0.02499	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.37871	33
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	-0.06076	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.38466	33
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	-0.06076	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.38466	33
WERE	EVANS ENERGY CENTER UNIT 1	1	17.3398	-0.06081	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.38471	33
WERE	EVANS ENERGY CENTER UNIT 1	1	17.3398	-0.06081	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.38471	33
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.06081	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.38471	33
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.06081	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.38471	33
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.02521	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.37893	33
WERE	CITY OF WELLINGTON	5	20	-0.04623	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.37013	34
WERE	CITY OF WELLINGTON	6	19.5	-0.04623	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.37013	34
WERE	CITY OF WELLINGTON	5	20	-0.04623	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.37013	34
WERE	CITY OF WELLINGTON	6	19.5	-0.04623	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.37013	34
WERE	CITY OF WINFIELD	1	26.18	-0.04333	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.36723	34
WERE	CITY OF WINFIELD	1	26.18	-0.04333	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.36723	34
WERE	GETTY	1	35	-0.04486	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.36876	34
WERE	GETTY	1	35	-0.04486	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.36876	34
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05167	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.37557	34
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05167	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.37557	34
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.05168	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.37558	34
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.05168	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.37558	34
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.05112	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.37502	34
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.05112	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.37502	34
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	-0.06076	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.35567	35
WERE	EVANS ENERGY CENTER UNIT 1	1	17.3398	-0.06081	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.35572	35
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.06081	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.35572	35
WERE	CHANUTE GENERATION SUB	14	21.55	-0.02499	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.34889	36
WERE	CHANUTE GENERATION SUB	14	21.55	-0.02499	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.34889	36
WERE	CITY OF ERIE	1	16	-0.02499	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.34889	36
WERE	CITY OF ERIE	1	16	-0.02499	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.34889	36
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05167	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.34658	36
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.05168	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.34659	36
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.05112	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.34603	36

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

WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.02521	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.34911	36
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.02521	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.34911	36
WERE	CITY OF WELLINGTON	5	20	-0.04623	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.34114	37
WERE	CITY OF WELLINGTON	6	19.5	-0.04623	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.34114	37
WERE	CITY OF WINFIELD	1	26.18	-0.04333	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.33824	37
WERE	GETTY	1	35	-0.04486	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.33977	37
WERE	CHANUTE GENERATION SUB	14	21.55	-0.02499	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.3199	39
WERE	CITY OF ERIE	1	16	-0.02499	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.3199	39
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.02521	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.32012	39
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	-0.06076	WERE	CLAY CENTER JUNCTION	1	9999	0.25248	-0.31324	40
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	-0.06076	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.25624	-0.317	40
WERE	EVANS ENERGY CENTER UNIT 1	1	17.3398	-0.06081	WERE	CLAY CENTER JUNCTION	1	9999	0.25248	-0.31329	40
WERE	EVANS ENERGY CENTER UNIT 1	1	17.3398	-0.06081	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.25624	-0.31705	40
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.06081	WERE	CLAY CENTER JUNCTION	1	9999	0.25248	-0.31329	40
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.06081	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.25624	-0.31705	40
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05167	WERE	CLAY CENTER JUNCTION	1	9999	0.25248	-0.30415	41
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05167	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.25624	-0.30791	41
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.05168	WERE	CLAY CENTER JUNCTION	1	9999	0.25248	-0.30416	41
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.05168	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.25624	-0.30792	41
WERE	CITY OF WELLINGTON	5	20	-0.04623	WERE	CLAY CENTER JUNCTION	1	9999	0.25248	-0.29871	42
WERE	CITY OF WELLINGTON	6	19.5	-0.04623	WERE	CLAY CENTER JUNCTION	1	9999	0.25248	-0.29871	42
WERE	CITY OF WELLINGTON	5	20	-0.04623	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.25624	-0.30247	42
WERE	CITY OF WELLINGTON	6	19.5	-0.04623	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.25624	-0.30247	42
WERE	CITY OF WINFIELD	1	26.18	-0.04333	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.25624	-0.29957	42
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	-0.06076	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.23825	-0.29901	42
WERE	EVANS ENERGY CENTER UNIT 1	1	17.3398	-0.06081	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.23825	-0.29906	42
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.06081	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.23825	-0.29906	42
WERE	GETTY	1	35	-0.04486	WERE	CLAY CENTER JUNCTION	1	9999	0.25248	-0.29734	42
WERE	GETTY	1	35	-0.04486	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.25624	-0.3011	42
WERE	CITY OF WINFIELD	1	26.18	-0.04333	WERE	CLAY CENTER JUNCTION	1	9999	0.25248	-0.29581	43
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05167	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.23825	-0.28992	43
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.05168	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.23825	-0.28993	43
WERE	CITY OF WELLINGTON	5	20	-0.04623	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.23825	-0.28448	44
WERE	CITY OF WELLINGTON	6	19.5	-0.04623	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.23825	-0.28448	44
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	-0.06076	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.22861	-0.28937	44
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	-0.06076	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.22861	-0.28937	44
WERE	EVANS ENERGY CENTER UNIT 1	1	17.3398	-0.06081	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.22861	-0.28942	44
WERE	EVANS ENERGY CENTER UNIT 1	1	17.3398	-0.06081	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.22861	-0.28942	44
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.06081	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.22861	-0.28942	44
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.06081	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.22861	-0.28942	44
WERE	CHANUTE GENERATION SUB	14	21.55	-0.02499	WERE	CLAY CENTER JUNCTION	1	9999	0.25248	-0.27747	45
WERE	CHANUTE GENERATION SUB	14	21.55	-0.02499	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.25624	-0.28123	45
WERE	CITY OF ERIE	1	16	-0.02499	WERE	CLAY CENTER JUNCTION	1	9999	0.25248	-0.27747	45
WERE	CITY OF ERIE	1	16	-0.02499	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.25624	-0.28123	45
WERE	CITY OF WINFIELD	1	26.18	-0.04333	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.23825	-0.28158	45
WERE	GETTY	1	35	-0.04486	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.23825	-0.28311	45
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05167	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.22861	-0.28028	45
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05167	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.22861	-0.28028	45
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.05168	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.22861	-0.28029	45
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.05168	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.22861	-0.28029	45
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.02521	WERE	CLAY CENTER JUNCTION	1	9999	0.25248	-0.27769	45
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.02521	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.25624	-0.28145	45
WERE	CITY OF WELLINGTON	5	20	-0.04623	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.22861	-0.27484	46
WERE	CITY OF WELLINGTON	6	19.5	-0.04623	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.22861	-0.27484	46
WERE	CITY OF WELLINGTON	5	20	-0.04623	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.22861	-0.27484	46
WERE	CITY OF WELLINGTON	6	19.5	-0.04623	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.22861	-0.27484	46
WERE	CITY OF WINFIELD	1	26.18	-0.04333	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.22861	-0.27194	46

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

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

Upgrade: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
 Limiting Facility: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
 Direction: To->From
 Line Outage: EL PASO - FARBER 138KV CKT 1
 Flowgate: 57550578371570395704214406SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	0.7	4.3
1032990	0.9	4.3
1032990	0.9	4.3
1032993	0.5	4.3
1033723	0.5	4.3
1034312	0.9	4.3

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	16.29932	0.01046	-0.30052	14
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	16.29932	0.01046	-0.30052	14
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01045	-0.30051	14
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01045	-0.30051	14
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00977	-0.29983	14
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00977	-0.29983	14
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0107	-0.30076	14
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0107	-0.30076	14
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	WAGO	1	17.964	0.01068	-0.30074	14
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	WAGO	1	17.964	0.01068	-0.30074	14
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.005	-0.29506	15
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.005	-0.29506	15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	CHANUTE GENERATION SUB	14	33.658	0.00408	-0.29414	15
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	CHANUTE GENERATION SUB	14	33.658	0.00408	-0.29414	15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	CITY OF ERIE	1	20	0.00408	-0.29414	15
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	CITY OF ERIE	1	20	0.00408	-0.29414	15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00451	-0.29457	15
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00451	-0.29457	15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00517	-0.29523	15
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00517	-0.29523	15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00515	-0.29521	15
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00515	-0.29521	15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00515	-0.29521	15
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00515	-0.29521	15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00505	-0.29511	15
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00505	-0.29511	15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	235.158	0.00514	-0.2952	15
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	235.158	0.00514	-0.2952	15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00523	-0.29529	15
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00523	-0.29529	15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00523	-0.29529	15
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00523	-0.29529	15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	CITY OF WELLINGTON	5	20	-0.09881	-0.19125	22
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	CITY OF WELLINGTON	5	20	-0.09881	-0.19125	22

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

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

Upgrade: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
 Limiting Facility: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
 Direction: To->From
 Line Outage: EL PASO - FARBER 138KV CKT 1
 Flowgate: 57550578371570395704214406SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	1.7	5.7
1032990	0.9	5.7
1032990	1.0	5.7
1032993	0.5	5.7
1033723	0.5	5.7
1034312	1.0	5.7

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.005	-0.29506	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.005	-0.29506	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00464	-0.2947	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00464	-0.2947	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00464	-0.2947	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00464	-0.2947	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00464	-0.2947	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00464	-0.2947	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00464	-0.2947	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00464	-0.2947	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	CHANUTE GENERATION SUB	14	42.755	0.00408	-0.29414	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	CHANUTE GENERATION SUB	14	42.755	0.00408	-0.29414	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	CITY OF ERIE	1	20	0.00408	-0.29414	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	CITY OF ERIE	1	20	0.00408	-0.29414	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01046	-0.30052	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01046	-0.30052	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01046	-0.30052	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01046	-0.30052	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	EVANS ENERGY CENTER UNIT 1	1	120	0.01045	-0.30051	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	EVANS ENERGY CENTER UNIT 1	1	120	0.01045	-0.30051	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	EVANS ENERGY CENTER UNIT 2	1	324.8115	0.01045	-0.30051	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	EVANS ENERGY CENTER UNIT 2	1	324.8115	0.01045	-0.30051	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	GILL ENERGY CENTER UNIT 1	1	18	0.00691	-0.29697	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	GILL ENERGY CENTER UNIT 1	1	18	0.00691	-0.29697	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	GILL ENERGY CENTER UNIT 2	1	27	0.00694	-0.297	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	GILL ENERGY CENTER UNIT 2	1	27	0.00694	-0.297	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00977	-0.29983	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00977	-0.29983	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0107	-0.30076	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0107	-0.30076	19

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

WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.00451	-0.29457	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.00451	-0.29457	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.00451	-0.29457	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.00451	-0.29457	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.00451	-0.29457	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.00451	-0.29457	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.00451	-0.29457	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.00451	-0.29457	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.00451	-0.29457	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.00451	-0.29457	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00451	-0.29457	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00451	-0.29457	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00517	-0.29523	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00517	-0.29523	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00515	-0.29521	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00515	-0.29521	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00515	-0.29521	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00515	-0.29521	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.00505	-0.29511	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.00505	-0.29511	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.00505	-0.29511	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.00505	-0.29511	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	236.4678	0.00514	-0.2952	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	236.4678	0.00514	-0.2952	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.00523	-0.29529	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.00523	-0.29529	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.00523	-0.29529	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.00523	-0.29529	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	WACO	1	17.97	0.01068	-0.30074	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	WACO	1	17.97	0.01068	-0.30074	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	CITY OF WELLINGTON	5	20	-0.09881	-0.19125	30
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	CITY OF WELLINGTON	6	19.5	-0.09881	-0.19125	30
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	CITY OF WELLINGTON	6	19.5	-0.09881	-0.19125	30
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	CITY OF WELLINGTON	5	20	-0.09881	-0.19125	30

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

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

Upgrade: RICHLAND - UDALL 69KV CKT 1
 Limiting Facility: RICHLAND - UDALL 69KV CKT 1
 Direction: From->To
 Line Outage: EL PASO - FARBER 138KV CKT 1
 Flowgate: 57550575591570395704214407SH
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount												
Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)			
			25	-0.2922	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00492	-0.29712	19			
			10.2	-0.2922	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00492	-0.29712	19			
			25	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00458	-0.29678	19			
			10.2	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00458	-0.29678	19			
			25	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	15.66162	0.00458	-0.29678	19			
			10.2	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	15.66162	0.00458	-0.29678	19			
			25	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00458	-0.29678	19			
			10.2	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00458	-0.29678	19			
			25	-0.2922	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00458	-0.29678	19			
			10.2	-0.2922	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00458	-0.29678	19			
			25	-0.2922	WERE	CHANUTE GENERATION SUB	14	33.041	0.00391	-0.29611	19			
			10.2	-0.2922	WERE	CHANUTE GENERATION SUB	14	33.041	0.00391	-0.29611	19			
			25	-0.2922	WERE	CITY OF ERIE	1	20	0.00391	-0.29611	19			
			10.2	-0.2922	WERE	CITY OF ERIE	1	20	0.00391	-0.29611	19			
			25	-0.2922	WERE	CLAY CENTER JUNCTION	1	9999	0.00502	-0.29722	19			
			10.2	-0.2922	WERE	CLAY CENTER JUNCTION	1	9999	0.00502	-0.29722	19			
			25	-0.2922	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01026	-0.30246	19			
			10.2	-0.2922	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01026	-0.30246	19			
			25	-0.2922	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01026	-0.30246	19			
			10.2	-0.2922	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01026	-0.30246	19			
			25	-0.2922	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00939	-0.30159	19			
			10.2	-0.2922	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00939	-0.30159	19			
			25	-0.2922	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01038	-0.30258	19			
			10.2	-0.2922	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01038	-0.30258	19			
			25	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00448	-0.29668	19			
			10.2	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00448	-0.29668	19			
			25	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00503	-0.29723	19			
			10.2	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00503	-0.29723	19			
			25	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00503	-0.29723	19			
			10.2	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00503	-0.29723	19			
			25	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00503	-0.29723	19			
			10.2	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00503	-0.29723	19			
			25	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00492	-0.29712	19			
			10.2	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00492	-0.29712	19			
			25	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	239.2776	0.00501	-0.29721	19			
			10.2	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	239.2776	0.00501	-0.29721	19			
			25	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00511	-0.29731	19			
			10.2	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00511	-0.29731	19			
			25	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00511	-0.29731	19			
			10.2	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00511	-0.29731	19			
			25	-0.2922	WERE	WACO	1	17.947	0.01037	-0.30257	19			
			10.2	-0.2922	WERE	WACO	1	17.947	0.01037	-0.30257	19			
			25	-0.2922	WERE	CITY OF WELLINGTON	5	17.86902	-0.09589	-0.19631	29			
			10.2	-0.2922	WERE	CITY OF WELLINGTON	5	17.86902	-0.09589	-0.19631	29			

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

WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01026	-0.10615	54
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01026	-0.10615	54
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01038	-0.10627	54
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00939	-0.10528	55
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00492	-0.10081	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00458	-0.10047	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00458	-0.10047	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00458	-0.10047	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	CLAY CENTER JUNCTION	1	9999	0.00502	-0.10091	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00448	-0.10037	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00505	-0.10094	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00503	-0.10092	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00503	-0.10092	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00492	-0.10081	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	239.2776	0.00501	-0.1009	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00511	-0.101	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00511	-0.101	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	CHANUTE GENERATION SUB	14	33.041	0.00391	-0.0998	58
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	CITY OF ERIE	1	20	0.00391	-0.0998	58

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

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

Upgrade: RICHLAND - UDALL 69KV CKT 1
 Limiting Facility: RICHLAND - UDALL 69KV CKT 1
 Direction: From->To
 Line Outage: EL PASO - FARBER 138KV CKT 1
 Flowgate: 57550575591570395704214407SP
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount											
1032993	1.0	7.0											
1032994	2.1	7.0											
1033723	1.0	7.0											
1034312	2.9	7.0											
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00492	-0.29712	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00492	-0.29712	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00459	-0.29679	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00459	-0.29679	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00459	-0.29679	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00459	-0.29679	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	26.22998	0.00459	-0.29679	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	26.22998	0.00459	-0.29679	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00458	-0.29678	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00458	-0.29678	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00459	-0.29679	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00459	-0.29679	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	CHANUTE GENERATION SUB	14	42.742	0.00391	-0.29611	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	CHANUTE GENERATION SUB	14	42.742	0.00391	-0.29611	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	CITY OF ERIE	1	20	0.00391	-0.29611	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	CITY OF ERIE	1	20	0.00391	-0.29611	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	CLAY CENTER JUNCTION	1	9999	0.00502	-0.29722	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	CLAY CENTER JUNCTION	1	9999	0.00502	-0.29722	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01026	-0.30246	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01026	-0.30246	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	30	0.01026	-0.30246	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	30	0.01026	-0.30246	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01026	-0.30246	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01026	-0.30246	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	EVANS ENERGY CENTER UNIT 1	1	120	0.01026	-0.30246	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	EVANS ENERGY CENTER UNIT 1	1	120	0.01026	-0.30246	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	EVANS ENERGY CENTER UNIT 2	1	325	0.01026	-0.30246	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	EVANS ENERGY CENTER UNIT 2	1	325	0.01026	-0.30246	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	GILL ENERGY CENTER UNIT 1	1	23	0.00636	-0.29856	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	GILL ENERGY CENTER UNIT 1	1	23	0.00636	-0.29856	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	GILL ENERGY CENTER UNIT 2	1	52	0.00639	-0.29859	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	GILL ENERGY CENTER UNIT 2	1	52	0.00639	-0.29859	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	GILL ENERGY CENTER UNIT 3	1	88	0.00939	-0.30159	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	GILL ENERGY CENTER UNIT 3	1	88	0.00939	-0.30159	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	GILL ENERGY CENTER UNIT 4	1	82.99999	0.01038	-0.30258	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	GILL ENERGY CENTER UNIT 4	1	82.99999	0.01038	-0.30258	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.00448	-0.29668	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.00448	-0.29668	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.00448	-0.29668	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.00448	-0.29668	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.00448	-0.29668	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.00448	-0.29668	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.00448	-0.29668	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.00448	-0.29668	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.00448	-0.29668	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.00448	-0.29668	23		
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.00448	-0.29668	23		
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.00448	-0.29668	23		

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

WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00505	-0.29725	23
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00505	-0.29725	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00503	-0.29723	23
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00503	-0.29723	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00503	-0.29723	23
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00503	-0.29723	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	30	0.00492	-0.29712	23
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	30	0.00492	-0.29712	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.00492	-0.29712	23
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.00492	-0.29712	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	239.942	0.00501	-0.29721	23
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	239.942	0.00501	-0.29721	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.00511	-0.29731	23
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.00511	-0.29731	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.00511	-0.29731	23
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.00511	-0.29731	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	WACO	1	17.96	0.01037	-0.30257	23
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	WACO	1	17.96	0.01037	-0.30257	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	CITY OF WELLINGTON	6	19.5	-0.09589	-0.19631	35
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	CITY OF WELLINGTON	5	20	-0.09589	-0.19631	35

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: RICHLAND - UDALL 69KV CKT 1
 Limiting Facility: RICHLAND - UDALL 69KV CKT 1
 Direction: From->To
 Line Outage: EL PASO - FARBER 138KV CKT 1
 Flowgate: 57550575591570395704214407WP
 Date Redispatch Needed: 12/1/2007 - 4/1/2008

Reservation	Relief Amount	Aggregate Relief Amount											
1032990	0.1	0.5											
1032990	0.0	0.5											
1032990	0.0	0.5											
1032993	0.0	0.5											
1032993	0.0	0.5											
1032994	0.1	0.5											
1032994	0.0	0.5											
1032994	0.0	0.5											
1033000	0.0	0.5											
1033000	0.0	0.5											
1033723	0.0	0.5											
1033723	0.0	0.5											
1034312	0.1	0.5											
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00497	-0.29711	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00497	-0.29711	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00463	-0.29677	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00463	-0.29677	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00463	-0.29677	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00463	-0.29677	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00463	-0.29677	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00463	-0.29677	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00463	-0.29677	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00463	-0.29677	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	CHANUTE GENERATION SUB	14	21.25	0.00397	-0.29611	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	CHANUTE GENERATION SUB	14	21.25	0.00397	-0.29611	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	CLAY CENTER JUNCTION	1	9999	0.00507	-0.29721	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	CLAY CENTER JUNCTION	1	9999	0.00507	-0.29721	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01032	-0.30246	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01032	-0.30246	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01032	-0.30246	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01032	-0.30246	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	EVANS ENERGY CENTER UNIT 1	1	89.272	0.01032	-0.30246	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	EVANS ENERGY CENTER UNIT 1	1	89.272	0.01032	-0.30246	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01032	-0.30246	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01032	-0.30246	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	GILL ENERGY CENTER UNIT 2	1	27	0.00645	-0.29859	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	GILL ENERGY CENTER UNIT 2	1	27	0.00645	-0.29859	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00945	-0.30159	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00945	-0.30159	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01044	-0.30258	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01044	-0.30258	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00453	-0.29667	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00453	-0.29667	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0051	-0.29724	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0051	-0.29724	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00508	-0.29722	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00508	-0.29722	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00508	-0.29722	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00508	-0.29722	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00497	-0.29711	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00497	-0.29711	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	206.1015	0.00506	-0.2972	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	206.1015	0.00506	-0.2972	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00516	-0.2973	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00516	-0.2973	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00516	-0.2973	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00516	-0.2973	2		
WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	WACO	1	17.93	0.01042	-0.30256	2		
WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	WACO	1	17.93	0.01042	-0.30256	2		
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00497	-0.10079	5		
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00497	-0.10079	5		
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00463	-0.10045	5		
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00463	-0.10045	5		
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00463	-0.10045	5		

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

WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00463	-0.10045	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00463	-0.10045	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00463	-0.10045	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00463	-0.10045	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00463	-0.10045	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	CHANUTE GENERATION SUB	14	21.25	0.00397	-0.09979	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	CHANUTE GENERATION SUB	14	21.25	0.00397	-0.09979	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	CLAY CENTER JUNCTION	1	9999	0.00507	-0.10089	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	CLAY CENTER JUNCTION	1	9999	0.00507	-0.10089	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01032	-0.10614	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01032	-0.10614	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01032	-0.10614	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01032	-0.10614	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	EVANS ENERGY CENTER UNIT 1	1	89.272	0.01032	-0.10614	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	EVANS ENERGY CENTER UNIT 1	1	89.272	0.01032	-0.10614	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01032	-0.10614	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01032	-0.10614	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	GILL ENERGY CENTER UNIT 2	1	27	0.00645	-0.10227	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	GILL ENERGY CENTER UNIT 2	1	27	0.00645	-0.10227	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00945	-0.10527	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00945	-0.10527	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01044	-0.10626	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01044	-0.10626	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00453	-0.10035	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00453	-0.10035	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0051	-0.10092	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0051	-0.10092	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00508	-0.1009	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00508	-0.1009	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00508	-0.1009	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00508	-0.1009	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00497	-0.10079	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00497	-0.10079	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	206.1015	0.00506	-0.10088	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	206.1015	0.00506	-0.10088	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00516	-0.10098	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00516	-0.10098	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00516	-0.10098	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00516	-0.10098	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	WACO	1	17.93	0.01042	-0.10624	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	WACO	1	17.93	0.01042	-0.10624	5

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

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Direction: To->From
 Line Outage: EL PASO - FARBER 138KV CKT 1
 Flowgate: 57837576041570395704214406SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	1.6	9.7
1032990	1.9	9.7
1032990	1.9	9.7
1032990	1.6	9.7
1032990	1.9	9.7
1032990	1.9	9.7
1032993	1.1	9.7
1032993	1.1	9.7
1033723	1.1	9.7
1033723	1.1	9.7
1034312	2.0	9.7
1034312	2.0	9.7

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	16.29932	0.01046	-0.30052	32
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01045	-0.30051	32
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00977	-0.29983	32
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0107	-0.30076	32
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	WACO	1	17.964	0.01068	-0.30074	32
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.005	-0.29506	33
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	CHANUTE GENERATION SUB	14	33.658	0.00408	-0.29414	33
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	CITY OF ERIE	1	20	0.00408	-0.29414	33
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00451	-0.29457	33
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00517	-0.29523	33
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00518	-0.29521	33
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00515	-0.29521	33
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00505	-0.29511	33
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	235.158	0.00514	-0.2952	33
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00523	-0.29529	33
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00523	-0.29529	33
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	CITY OF WELLINGTON	5	20	-0.09881	-0.19125	51

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

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Direction: To->From
 Line Outage: EL PASO - FARBER 138KV CKT 1
 Flowgate: 57837576041570395704214406SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1032990	3.6	12.3
1032990	2.0	12.3
1032990	2.2	12.3
1032990	3.6	12.3
1032990	2.0	12.3
1032990	2.2	12.3
1032993	1.1	12.3
1032993	1.1	12.3
1033723	1.2	12.3
1033723	1.2	12.3
1034312	2.2	12.3
1034312	2.2	12.3

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01046	-0.30052	41
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01046	-0.30052	41
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	EVANS ENERGY CENTER UNIT 1	1	120	0.01045	-0.30051	41
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	EVANS ENERGY CENTER UNIT 2	1	324.8115	0.01045	-0.30051	41
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	GILL ENERGY CENTER UNIT 1	1	18	0.00691	-0.29697	41
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	GILL ENERGY CENTER UNIT 2	1	27	0.00694	-0.297	41
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00977	-0.29983	41
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0107	-0.30076	41
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	WACO	1	17.97	0.01068	-0.30074	41
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.005	-0.29506	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00464	-0.2947	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00464	-0.2947	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00464	-0.2947	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00464	-0.2947	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	CHANUTE GENERATION SUB	14	42.755	0.00408	-0.29414	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	CITY OF ERIE	1	20	0.00408	-0.29414	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.00451	-0.29457	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.00451	-0.29457	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.00451	-0.29457	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00451	-0.29457	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00517	-0.29523	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00515	-0.29521	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00515	-0.29521	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.00505	-0.29511	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.00505	-0.29511	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	236.4678	0.00514	-0.2952	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.00523	-0.29529	42
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.00523	-0.29529	42

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

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Direction: To->From
 Line Outage: EL PASO - FARBER 138KV CKT 1
 Flowgate: 57837576041570395704214406WP
 Date Redispatch Needed: 12/1/06 - 4/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1032990	0.7	3.4
1032990	0.5	3.4
1032990	0.6	3.4
1032990	0.7	3.4
1032990	0.5	3.4
1032990	0.6	3.4
1032993	0.3	3.4
1032993	0.3	3.4
1032993	0.3	3.4
1032993	0.3	3.4
1032993	0.3	3.4
1033723	0.3	3.4
1033723	0.3	3.4
1034312	0.6	3.4
1034312	0.6	3.4

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	CHANUTE GENERATION SUB	14	22.764	0.00408	-0.29409	11
WERE	CITY OF WINFIELD	1	10.2	-0.29001	WERE	CHANUTE GENERATION SUB	14	22.764	0.00408	-0.29409	11
WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.01045	-0.30046	11
WERE	CITY OF WINFIELD	1	10.2	-0.29001	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.01045	-0.30046	11
WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	40	0.0045	-0.29451	11
WERE	CITY OF WINFIELD	1	10.2	-0.29001	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	40	0.0045	-0.29451	11
WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00516	-0.29517	11
WERE	CITY OF WINFIELD	1	10.2	-0.29001	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00516	-0.29517	11
WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00514	-0.29515	11
WERE	CITY OF WINFIELD	1	10.2	-0.29001	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00514	-0.29515	11
WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00514	-0.29515	11
WERE	CITY OF WINFIELD	1	10.2	-0.29001	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00514	-0.29515	11
WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00504	-0.29505	11
WERE	CITY OF WINFIELD	1	10.2	-0.29001	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00504	-0.29505	11
WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.5962	0.00512	-0.29513	11
WERE	CITY OF WINFIELD	1	10.2	-0.29001	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.5962	0.00512	-0.29513	11
WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	64.43359	0.00522	-0.29523	11
WERE	CITY OF WINFIELD	1	10.2	-0.29001	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	64.43359	0.00522	-0.29523	11
WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	WACO	1	17.953	0.01068	-0.30069	11
WERE	CITY OF WINFIELD	1	10.2	-0.29001	WERE	WACO	1	17.953	0.01068	-0.30069	11
WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.01045	-0.10922	31
WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.01045	-0.10922	31
WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	WACO	1	17.953	0.01068	-0.10945	31
WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	WACO	1	17.953	0.01068	-0.10945	31
WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00516	-0.10393	32
WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00516	-0.10393	32
WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00514	-0.10391	32
WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00514	-0.10391	32
WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00514	-0.10391	32
WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00514	-0.10391	32
WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00504	-0.10381	32
WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00504	-0.10381	32
WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.5962	0.00512	-0.10389	32
WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.5962	0.00512	-0.10389	32
WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	64.43359	0.00522	-0.10399	32
WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	64.43359	0.00522	-0.10399	32
WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	CHANUTE GENERATION SUB	14	22.764	0.00408	-0.10285	33
WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	CHANUTE GENERATION SUB	14	22.764	0.00408	-0.10285	33
WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	40	0.0045	-0.10327	33
WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	40	0.0045	-0.10327	33

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

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

Upgrade: SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1
 Limiting Facility: SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: NORTON - NORTON 161KV CKT 1
 Flowgate: 58063580941961055806411206SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount											
1031553	1.0	2.2											
1032954	1.2	2.2											
Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24049	KACP	MARSHALL	1	30	0.06905	-0.30954	7		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24049	KACP	HAWTHORN COMBUSTION TURBINE #6	6	92	-0.00474	-0.23575	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24049	KACP	HAWTHORN UNIT #5	5	455	-0.00474	-0.23575	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24049	KACP	HAWTHORN UNIT #9	9	45.7686	-0.00474	-0.23575	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24049	KACP	IATAN UNIT #1	1	396	-0.00379	-0.2367	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24049	KACP	LACYGNE UNIT #1	1	485	-0.00432	-0.23617	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24049	KACP	LACYGNE UNIT #2	2	477	-0.00432	-0.23617	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24049	KACP	MONTROSE UNIT #1	1	127	-0.00673	-0.23376	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24049	KACP	MONTROSE UNIT #2	2	121	-0.00673	-0.23376	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24049	KACP	MONTROSE UNIT #3	3	107.1369	-0.00673	-0.23376	9		
KACP	MONTROSE UNIT #3	3	25.86313	-0.00673	KACP	MARSHALL	1	30	0.06905	-0.07578	28		
KACP	BULL CREEK COMBUSTION TURBINE #1	1	77	-0.00461	KACP	MARSHALL	1	30	0.06905	-0.07366	29		
KACP	BULL CREEK COMBUSTION TURBINE #2	2	77	-0.00461	KACP	MARSHALL	1	30	0.06905	-0.07366	29		
KACP	BULL CREEK COMBUSTION TURBINE #3	3	77	-0.00461	KACP	MARSHALL	1	30	0.06905	-0.07366	29		
KACP	BULL CREEK CT #4	4	77	-0.00461	KACP	MARSHALL	1	30	0.06905	-0.07366	29		
KACP	GARDNER	1	11	-0.00467	KACP	MARSHALL	1	30	0.06905	-0.07372	29		
KACP	GRAND AVENUE COMBUSTINE TURBINES	7	33	-0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29		
KACP	GRAND AVENUE COMBUSTINE TURBINES	9	32	-0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29		
KACP	HAWTHORN COMBUSTION TURBINE #7	7	77	-0.00474	KACP	MARSHALL	1	30	0.06905	-0.07379	29		
KACP	HAWTHORN COMBUSTION TURBINE #8	8	77	-0.00474	KACP	MARSHALL	1	30	0.06905	-0.07379	29		
KACP	HAWTHORN UNIT #9	9	22.2314	-0.00474	KACP	MARSHALL	1	30	0.06905	-0.07379	29		
KACP	NORTHEAST COMBUSTINE TURBINES NORTH	1	55	-0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29		
KACP	NORTHEAST CT #11	1	56	-0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29		
KACP	NORTHEAST CT #13	1	56	-0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29		
KACP	NORTHEAST CT #14	1	58	-0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29		
KACP	NORTHEAST CT #15	1	58	-0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29		
KACP	NORTHEAST CT #16	1	58	-0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29		
KACP	NORTHEAST CT #17	1	59	-0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29		
KACP	NORTHEAST CT #18	1	58	-0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29		
KACP	PAOLA COMBUSTION TURBINES	1	77	-0.00465	KACP	MARSHALL	1	30	0.06905	-0.0737	29		

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1
 Limiting Facility: SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: NORTON - NORTON 161KV CKT 1
 Flowgate: 58063580941961055806411206WP
 Date Redispatch Needed: 12/1/06 - 4/1/07

Reservation	Relief Amount	Aggregate Relief Amount											
1031553	0.0	0.1											
1032954	0.1	0.1											
Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24054	KACP	HAWTHORN UNIT #5	5	455	-0.00476	-0.23679	0		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24054	KACP	IATAN UNIT #1	1	396	-0.00378	-0.23676	0		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24054	KACP	LACYGNE UNIT #1	1	485	-0.00429	-0.23625	0		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24054	KACP	LACYGNE UNIT #2	2	477	-0.00429	-0.23625	0		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24054	KACP	MARSHALL	1	30	0.06893	-0.30947	0		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24054	KACP	MONTROSE UNIT #3	3	32.76614	-0.00673	-0.23381	0		
KACP	BULL CREEK COMBUSTION TURBINE #1	1	77	-0.0046	KACP	MARSHALL	1	30	0.06893	-0.07353	1		
KACP	BULL CREEK COMBUSTION TURBINE #2	2	77	-0.0046	KACP	MARSHALL	1	30	0.06893	-0.07353	1		
KACP	BULL CREEK COMBUSTION TURBINE #3	3	77	-0.0046	KACP	MARSHALL	1	30	0.06893	-0.07353	1		
KACP	BULL CREEK CT #4	4	77	-0.0046	KACP	MARSHALL	1	30	0.06893	-0.07353	1		
KACP	GARDNER	1	11	-0.00466	KACP	MARSHALL	1	30	0.06893	-0.07359	1		
KACP	GRAND AVENUE COMBUSTINE TURBINES	7	33	-0.00477	KACP	MARSHALL	1	30	0.06893	-0.0737	1		
KACP	GRAND AVENUE COMBUSTINE TURBINES	9	32	-0.00477	KACP	MARSHALL	1	30	0.06893	-0.0737	1		
KACP	HAWTHORN COMBUSTION TURBINE #6	6	132	-0.00475	KACP	MARSHALL	1	30	0.06893	-0.07368	1		
KACP	HAWTHORN COMBUSTION TURBINE #7	7	77	-0.00475	KACP	MARSHALL	1	30	0.06893	-0.07368	1		
KACP	HAWTHORN COMBUSTION TURBINE #8	8	77	-0.00475	KACP	MARSHALL	1	30	0.06893	-0.07368	1		
KACP	HAWTHORN UNIT #9	9	137	-0.00475	KACP	MARSHALL	1	30	0.06893	-0.07368	1		
KACP	MONTROSE UNIT #1	1	170	-0.00673	KACP	MARSHALL	1	30	0.06893	-0.07566	1		
KACP	MONTROSE UNIT #2	2	164	-0.00673	KACP	MARSHALL	1	30	0.06893	-0.07566	1		
KACP	MONTROSE UNIT #3	3	100.2339	-0.00673	KACP	MARSHALL	1	30	0.06893	-0.07566	1		
KACP	NORTHEAST COMBUSTINE TURBINES NORTH	1	55	-0.00477	KACP	MARSHALL	1	30	0.06893	-0.0737	1		
KACP	NORTHEAST CT #11	1	56	-0.00477	KACP	MARSHALL	1	30	0.06893	-0.0737	1		
KACP	NORTHEAST CT #13	1	56	-0.00477	KACP	MARSHALL	1	30	0.06893	-0.0737	1		
KACP	NORTHEAST CT #14	1	58	-0.00477	KACP	MARSHALL	1	30	0.06893	-0.0737	1		
KACP	NORTHEAST CT #15	1	58	-0.00477	KACP	MARSHALL	1	30	0.06893	-0.0737	1		
KACP	NORTHEAST CT #16	1	58	-0.00477	KACP	MARSHALL	1	30	0.06893	-0.0737	1		
KACP	NORTHEAST CT #17	1	59	-0.00477	KACP	MARSHALL	1	30	0.06893	-0.0737	1		
KACP	NORTHEAST CT #18	1	58	-0.00477	KACP	MARSHALL	1	30	0.06893	-0.0737	1		
KACP	PAOLA COMBUSTION TURBINES	1	77	-0.00462	KACP	MARSHALL	1	30	0.06893	-0.07355	1		

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1
 Limiting Facility: SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: NORTON - NORTON 161KV CKT 1
 Flowgate: 58063580941961055806412207SH
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount											
1031553	1.0	2.1											
1032954	1.2	2.1											
Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	HAWTHORN COMBUSTION TURBINE #6	6	92	-0.00475	-0.23578	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	HAWTHORN COMBUSTION TURBINE #7	7	67.07471	-0.00475	-0.23578	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	HAWTHORN UNIT #5	5	455	-0.00475	-0.23578	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	HAWTHORN UNIT #9	9	68	-0.00475	-0.23578	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	IATAN UNIT #1	1	396	-0.00378	-0.23675	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	LACYGNE UNIT #1	1	481	-0.00429	-0.23624	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	LACYGNE UNIT #2	2	477	-0.00429	-0.23624	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	MONTROSE UNIT #1	1	127	-0.00673	-0.2338	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	MONTROSE UNIT #2	2	121	-0.00673	-0.2338	9		
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	MONTROSE UNIT #3	3	106.7505	-0.00673	-0.2338	9		

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Direction: To->From
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 5727057182156765567221106FA
 Date Redispatch Needed: 10/1/06 - 12/1/06

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
1032956	1.0	5.0	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.3183	16
1034394	0.3	5.0	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.3183	16
1035259	3.8	5.0	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.32077	16
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.32077	16
			WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.25273	20
			WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.25273	20
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06917	-0.22411	22
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06994	-0.22488	22
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06994	-0.22488	22
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06917	-0.22658	22
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06994	-0.22735	22
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06994	-0.22735	22
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.0603	-0.21524	23
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.0603	-0.21771	23
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05144	-0.20638	24
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	19.26538	0.05144	-0.20638	24
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05141	-0.20635	24
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.05144	-0.20638	24
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05144	-0.20885	24
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	19.26538	0.05144	-0.20885	24
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05141	-0.20882	24
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.05144	-0.20885	24
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.0483	-0.20571	24
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.0483	-0.20324	25
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01389	-0.1713	29
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0139	-0.17131	29
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01324	-0.17065	29
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0133	-0.17071	29
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	WACO	1	17.957	0.01336	-0.17077	29
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01389	-0.16883	30
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0139	-0.16884	30
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01324	-0.16818	30
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0133	-0.16824	30
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	WACO	1	17.957	0.01336	-0.1683	30
			WERE	CHANUTE GENERATION SUB	14	15.84	0.00275	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.16061	31
			WERE	CHANUTE GENERATION SUB	14	15.84	0.00275	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.16061	31
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	CHANUTE GENERATION SUB	14	26.96	0.00275	-0.16016	31
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15741	WERE	CITY OF ERIE	1	19.971	0.00275	-0.16016	31
			WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00273	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.16063	31
			WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00273	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.16063	31
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	CHANUTE GENERATION SUB	14	26.96	0.00275	-0.15769	32
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15494	WERE	CITY OF ERIE	1	19.971	0.00275	-0.15769	32
			WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06917	-0.15854	32
			WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06994	-0.15931	32
			WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06994	-0.15931	32
			WERE	CITY OF WELLINGTON	5	20	0.01138	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.15198	33
			WERE	CITY OF WELLINGTON	6	19.5	0.01138	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.15198	33
			WERE	CITY OF WELLINGTON	5	20	0.01138	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.15198	33
			WERE	CITY OF WELLINGTON	6	19.5	0.01138	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.15198	33
			WERE	CITY OF WINFIELD	1	20.95499	0.01049	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.15287	33
			WERE	CITY OF WINFIELD	1	20.95499	0.01049	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.15287	33
			WERE	GETTY	1	35	0.01206	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.1513	33
			WERE	GETTY	1	35	0.01206	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.1513	33
			WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01304	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.15032	33
			WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01304	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.15032	33
			WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01304	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.15032	33
			WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01304	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.15032	33
			WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01324	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.15012	33
			WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01324	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.15012	33
			WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01389	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.14947	34
			WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01389	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.14947	34

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

WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01389	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.14947	34
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01389	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.14947	34
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.0139	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.14946	34
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.0139	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.14946	34
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.0139	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.14946	34
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.0139	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.14946	34
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.0603	-0.14967	34
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05144	-0.14081	36
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	19.26538	0.05144	-0.14081	36
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05141	-0.14078	36
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.05144	-0.14081	36
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.0483	-0.13767	37
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04828	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04828	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.04828	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.04828	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.04828	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.04828	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.04828	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.04828	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.11508	44
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.04827	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.04827	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.04827	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.04827	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.04827	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.04827	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.0483	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.11506	44
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.0483	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.11506	44
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	0.05144	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.11192	45
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	0.05144	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.11192	45
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01389	-0.10326	49
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0139	-0.10327	49
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01324	-0.10261	49
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0133	-0.10267	49
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	-0.08937	WERE	WACO	1	17.957	0.01336	-0.10273	49
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.06917	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.09419	53
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.06917	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.09419	53
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.06994	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336	-0.09342	54
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.06994	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.09342	54

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

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

Upgrade: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Direction: To->From
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 5727057182156765567211106SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032956	0.3	2.2	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15476	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.31874	7
1032993	0.4	2.2	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15476	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.31874	7
1034394	0.1	2.2	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.32121	7
1035259	1.4	2.2	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.32121	7
			WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.2532	9
			WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.2532	9
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15476	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06361	-0.21837	10
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15476	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0701	-0.22486	10
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15476	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07053	-0.22529	10
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15476	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07053	-0.22529	10
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06361	-0.22084	10
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0701	-0.22733	10
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07053	-0.22776	10
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07053	-0.22776	10
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15476	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.04892	-0.20368	11
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.04892	-0.20615	11
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15476	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01385	-0.16861	13
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15476	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01321	-0.16797	13
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15476	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01328	-0.16804	13
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15476	WERE	WACO	1	17.964	0.01333	-0.16809	13
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	CITY OF WINFIELD	1	24.41401	0.01049	-0.16772	13
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01385	-0.17108	13
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01321	-0.17044	13
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01328	-0.17051	13
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	WACO	1	17.964	0.01333	-0.17056	13
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15476	WERE	CHANUTE GENERATION SUB	14	33.658	0.00278	-0.15754	14
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15476	WERE	CITY OF ERIE	1	20	0.00278	-0.15754	14
			WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15476	WERE	CITY OF WINFIELD	1	24.41401	0.01049	-0.16525	14
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	CHANUTE GENERATION SUB	14	33.658	0.00278	-0.16001	14
			WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	CITY OF ERIE	1	20	0.00278	-0.16001	14
			WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0701	-0.15932	14
			WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07053	-0.15975	14
			WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07053	-0.15975	14
			WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00276	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.16122	14
			WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00276	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.16122	14
			WERE	CITY OF WELLINGTON	5	16	0.01137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15261	15
			WERE	CITY OF WELLINGTON	6	19.5	0.01137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15261	15
			WERE	CITY OF WELLINGTON	5	16	0.01137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15261	15
			WERE	CITY OF WELLINGTON	6	19.5	0.01137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15261	15
			WERE	CITY OF WINFIELD	T	10.2	0.01049	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15349	15
			WERE	CITY OF WINFIELD	T	10.2	0.01049	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15349	15
			WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15013	15
			WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15013	15
			WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	30	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15013	15
			WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	30	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15013	15
			WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	64	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15013	15
			WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	64	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15013	15
			WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15013	15
			WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15013	15
			WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15013	15
			WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15013	15
			WERE	GETTY	1	35	0.01205	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15193	15
			WERE	GETTY	1	35	0.01205	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15193	15
			WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01302	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15096	15
			WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01302	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15096	15
			WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01302	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15096	15
			WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01302	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15096	15
			WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01321	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15077	15
			WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01321	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15077	15
			WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06361	-0.15283	15

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

WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.04892	-0.13814	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	0.05218	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.1118	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	0.05218	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.1118	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	0.05218	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.1118	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	0.05218	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.1118	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0.05218	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.1118	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0.05218	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.1118	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0.05212	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.11186	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0.05212	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.11186	20
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	0.05218	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.1118	20
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	0.05218	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.1118	20
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.0489	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.11508	20
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.0489	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.11508	20
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.0489	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.11508	20
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.0489	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.11508	20
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.0489	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.11508	20
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.0489	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.11508	20
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.0489	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.11508	20
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.0489	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.11508	20
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.04889	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.11509	20
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.04889	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.11509	20
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.04889	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.11509	20
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.04889	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.11509	20
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.04889	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.11509	20
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.04889	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.11509	20
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	42.7534	0.04892	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.11506	20
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	42.7534	0.04892	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.11506	20
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01385	-0.10307	22
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01321	-0.10243	22
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01328	-0.1025	22
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922	WERE	WACO	1	17.964	0.01333	-0.10255	22
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922	WERE	CITY OF WINFIELD	1	24.41401	0.01049	-0.09971	23
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.0701	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.09388	24
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.0701	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.09388	24
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.07053	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.09345	24
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.07053	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.09345	24
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.07053	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.09345	24
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.07053	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.09345	24
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922	WERE	CHANUTE GENERATION SUB	14	33.658	0.00278	-0.092	24
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922	WERE	CITY OF ERIE	1	20	0.00278	-0.092	24

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Direction: To->From
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 5727057182156765567211106SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation		Relief Amount	Aggregate Relief Amount								
			Maximum Increment(MW)	Sink Control Area							
	1032956	0.9	5.0								
	1034394	0.3	5.0								
	1035259	3.8	5.0								
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.32121	16
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.16398	-0.32121	16
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.2532	20
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.16398	-0.2532	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0701	-0.22733	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07053	-0.22776	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07053	-0.22776	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06361	-0.22084	23
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05218	-0.20941	24
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.05218	-0.20941	24
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05212	-0.20935	24
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.05218	-0.20941	24
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.04891	-0.20614	24
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.04891	-0.20614	24
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.04889	-0.20612	24
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.04889	-0.20612	24
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.04889	-0.20612	24
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.04892	-0.20615	24
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01385	-0.17108	29
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01385	-0.17108	29
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	EVANS ENERGY CENTER UNIT 1	1	120	0.01385	-0.17108	29
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01385	-0.17108	29
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	CITY OF WELLINGTON	5	20	0.01137	-0.1686	30
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	CITY OF WELLINGTON	6	11.50201	0.01137	-0.1686	30
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	CITY OF WINFIELD	1	26.6	0.01049	-0.16772	30
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	GILL ENERGY CENTER UNIT 1	1	18	0.01302	-0.17025	30
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	GILL ENERGY CENTER UNIT 2	1	27	0.01302	-0.17025	30
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01321	-0.17044	30
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01328	-0.17051	30
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	WACO	1	17.97	0.01334	-0.17057	30
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00276	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.16122	31
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00276	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.16398	-0.16122	31
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	CHANUTE GENERATION SUB	14	42.755	0.00278	-0.16001	32
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	CITY OF ERIE	1	20	0.00278	-0.16001	32
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0701	-0.15932	32
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07053	-0.15975	32
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07053	-0.15975	32
WERE	GETTY	1	35	0.01205	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15193	33
WERE	GETTY	1	35	0.01205	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.16398	-0.15193	33
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.01302	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15096	33
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.01302	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.16398	-0.15096	33
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01321	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15077	33
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01321	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.16398	-0.15077	33
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06361	-0.15283	33
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15013	34
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.16398	-0.15013	34
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15013	34
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.16398	-0.15013	34
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05218	-0.1414	36
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.05218	-0.1414	36
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05212	-0.14134	36
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.05218	-0.1414	36
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.04891	-0.13813	37
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.04891	-0.13813	37
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.04889	-0.13811	37
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.04892	-0.13814	37
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04891	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.11507	44
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04891	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.16398	-0.11507	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.04891	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.11507	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.04891	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.16398	-0.11507	44
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.04892	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.11506	44

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

WERE	HUTCHINSON ENERGY CENTER UNIT 4	1		31	0.04892	WERE	TECUMSEH ENERGY CENTER UNIT 8	1		88	0.16398	-0.11506	44
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		30	0.05218	WERE	TECUMSEH ENERGY CENTER UNIT 7	1		40	0.16398	-0.1118	45
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		30	0.05218	WERE	TECUMSEH ENERGY CENTER UNIT 8	1		88	0.16398	-0.1118	45
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		36.34366	-0.08922	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1		25	0.01385	-0.10307	49
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		36.34366	-0.08922	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1		60	0.01385	-0.10307	49
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		36.34366	-0.08922	WERE	EVANS ENERGY CENTER UNIT 1	1		120	0.01385	-0.10307	49
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		36.34366	-0.08922	WERE	EVANS ENERGY CENTER UNIT 2	1		305	0.01385	-0.10307	49
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		36.34366	-0.08922	WERE	GILL ENERGY CENTER UNIT 1	1		18	0.01302	-0.10224	49
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		36.34366	-0.08922	WERE	GILL ENERGY CENTER UNIT 2	1		27	0.01302	-0.10224	49
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		36.34366	-0.08922	WERE	GILL ENERGY CENTER UNIT 3	1		78	0.01321	-0.10243	49
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		36.34366	-0.08922	WERE	GILL ENERGY CENTER UNIT 4	1		77	0.01328	-0.1025	49
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		36.34366	-0.08922	WERE	WACO	1		17.97	0.01334	-0.10256	49
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		36.34366	-0.08922	WERE	CITY OF WELLINGTON	5		20	0.01137	-0.10059	50
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		36.34366	-0.08922	WERE	CITY OF WINFIELD	1		26.6	0.01049	-0.09971	51
WERE	JEFFREY ENERGY CENTER UNIT 1	1		24	0.0701	WERE	TECUMSEH ENERGY CENTER UNIT 7	1		40	0.16398	-0.09388	54
WERE	JEFFREY ENERGY CENTER UNIT 1	1		24	0.0701	WERE	TECUMSEH ENERGY CENTER UNIT 8	1		88	0.16398	-0.09388	54
WERE	JEFFREY ENERGY CENTER UNIT 2	1		20	0.07053	WERE	TECUMSEH ENERGY CENTER UNIT 7	1		40	0.16398	-0.09345	54
WERE	JEFFREY ENERGY CENTER UNIT 2	1		20	0.07053	WERE	TECUMSEH ENERGY CENTER UNIT 8	1		88	0.16398	-0.09345	54
WERE	JEFFREY ENERGY CENTER UNIT 3	1		22	0.07053	WERE	TECUMSEH ENERGY CENTER UNIT 7	1		40	0.16398	-0.09345	54
WERE	JEFFREY ENERGY CENTER UNIT 3	1		22	0.07053	WERE	TECUMSEH ENERGY CENTER UNIT 8	1		88	0.16398	-0.09345	54
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		36.34366	-0.08922	WERE	CHANUTE GENERATION SUB	14		42.755	0.00278	-0.092	55
WERE	LAWRENCE ENERGY CENTER UNIT 5	1		36.34366	-0.08922	WERE	CITY OF ERIE	1		20	0.00278	-0.092	55
WERE	NEOSHO ENERGY CENTER UNIT 3	1		47	0.00276	WERE	JEFFREY ENERGY CENTER UNIT 2	1		470	0.07053	-0.06777	74
WERE	NEOSHO ENERGY CENTER UNIT 3	1		47	0.00276	WERE	JEFFREY ENERGY CENTER UNIT 3	1		470	0.07053	-0.06777	74
WERE	NEOSHO ENERGY CENTER UNIT 3	1		47	0.00276	WERE	JEFFREY ENERGY CENTER UNIT 1	1		470	0.0701	-0.06734	75
WERE	NEOSHO ENERGY CENTER UNIT 3	1		47	0.00276	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1		40	0.06361	-0.06085	83
WERE	GETTY	1		35	0.01205	WERE	JEFFREY ENERGY CENTER UNIT 2	1		470	0.07053	-0.05848	86
WERE	GETTY	1		35	0.01205	WERE	JEFFREY ENERGY CENTER UNIT 3	1		470	0.07053	-0.05848	86
WERE	GETTY	1		35	0.01205	WERE	JEFFREY ENERGY CENTER UNIT 1	1		470	0.0701	-0.05805	87
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1		30	0.01385	WERE	JEFFREY ENERGY CENTER UNIT 2	1		470	0.07053	-0.05668	89
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1		30	0.01385	WERE	JEFFREY ENERGY CENTER UNIT 3	1		470	0.07053	-0.05668	89
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1		30	0.01385	WERE	JEFFREY ENERGY CENTER UNIT 1	1		470	0.0701	-0.05625	90
WERE	GETTY	1		35	0.01205	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1		40	0.06361	-0.05156	98
WERE	NEOSHO ENERGY CENTER UNIT 3	1		47	0.00276	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		55	0.05212	-0.04936	102
WERE	NEOSHO ENERGY CENTER UNIT 3	1		47	0.00276	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1		120	0.04892	-0.04616	109

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Direction: To->From
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 57270571821567655677211107SH
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1022463	4.3	13.7
1032956	0.9	13.7
1034234	1.3	13.7
1034276	2.9	13.7
1034394	0.3	13.7
1035259	4.0	13.7

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.31714	43
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.31714	43
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15466	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.31955	43
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15466	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.31955	43
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	30.06763	-0.08732	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.25221	54
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	30.06763	-0.08732	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.25221	54
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.22301	61
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.22301	61
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06999	-0.22224	62
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	CLAY CENTER JUNCTION	1	9999	0.06378	-0.21603	63
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06093	-0.21318	64
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05233	-0.20458	67
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.0523	-0.20455	67
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.04944	-0.20169	68
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01424	-0.16649	82
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01358	-0.16583	82
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01365	-0.1659	82
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00288	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.16201	84
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00288	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.16201	84
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	30.06763	-0.08732	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.15808	86
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	30.06763	-0.08732	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.15808	86
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	30.06763	-0.08732	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06999	-0.15731	87
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	CHANUTE GENERATION SUB	14	33.041	0.00291	-0.15516	88
WERE	GETTY	1	35	0.01236	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15253	90
WERE	GETTY	1	35	0.01236	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15253	90
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01338	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15151	90
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01338	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15151	90
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01338	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15151	90
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01338	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15151	90
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	30.06763	-0.08732	WERE	CLAY CENTER JUNCTION	1	9999	0.06378	-0.1511	90
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01424	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15065	91
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01424	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15065	91
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01424	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15065	91
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01424	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15065	91
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01424	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15065	91
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01424	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15065	91
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11546	118
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11546	118
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11546	118
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11546	118
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11546	118
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11546	118
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11546	118
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11546	118
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0.05233	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11256	121
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00288	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.06788	201
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00288	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.06788	201
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01424	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.05652	242
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01424	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.05652	242
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01424	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06999	-0.05575	245
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01424	WERE	CLAY CENTER JUNCTION	1	9999	0.06378	-0.04954	276

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Direction: To->From
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 57270571821567655677211107SP
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1022463	4.1	13.4
1032956	0.8	13.4
1034234	1.3	13.4
1034276	2.9	13.4
1034394	0.3	13.4
1035259	4.0	13.4

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856	-0.08732	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.16489	-0.25221	53
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856	-0.08732	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.16489	-0.25221	53
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00288	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.16489	-0.16201	83
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00288	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.16489	-0.16201	83
WERE	GETTY	1	35	0.01236	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.16489	-0.15253	88
WERE	GETTY	1	35	0.01236	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.16489	-0.15253	88
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.16489	-0.11546	116
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.16489	-0.11546	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.16489	-0.11546	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.16489	-0.11546	116

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

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

Upgrade: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Direction: To->From
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 5727057182156765567211307FA
 Date Redispatch Needed: 10/1/07 - 12/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1032956	0.9	9.5
1034234	1.3	9.5
1034276	3.1	9.5
1034394	0.3	9.5
1035259	4.0	9.5

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.31714	30
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.31714	30
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15465	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.31954	30
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15465	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.31954	30
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	38.51788	-0.08732	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.25221	38
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	38.51788	-0.08732	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.25221	38
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15465	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.07	-0.22465	42
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15465	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.22541	42
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15465	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.22541	42
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.07	-0.22225	43
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.22301	43
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.22301	43
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15465	WERE	CLAY CENTER JUNCTION	1	9999	0.06379	-0.21844	43
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	CLAY CENTER JUNCTION	1	9999	0.06379	-0.21604	44
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15465	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0.04945	-0.2041	46
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0.04945	-0.2017	47
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15465	WERE	EVANS ENERGY CENTER UNIT 2	1	303.45	0.01425	-0.1689	56
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15465	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01366	-0.16831	56
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	EVANS ENERGY CENTER UNIT 2	1	303.45	0.01425	-0.1665	57
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01366	-0.16591	57
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00288	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.16201	59
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00288	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.16201	59
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15465	WERE	CHANUTE GENERATION SUB	14	42.721	0.00291	-0.15756	60
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	38.51788	-0.08732	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.07	-0.15732	60
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	38.51788	-0.08732	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.15808	60
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	38.51788	-0.08732	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.15808	60
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	CHANUTE GENERATION SUB	14	42.721	0.00291	-0.15516	61
WERE	CITY OF WINFIELD	1	26.6	0.0108	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15409	62
WERE	CITY OF WINFIELD	1	26.6	0.0108	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15409	62
WERE	GETTY	1	35	0.01237	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15252	62
WERE	GETTY	1	35	0.01237	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15252	62
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01424	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15065	63
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01424	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15065	63
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01424	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15065	63
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01424	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15065	63
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01424	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15065	63
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01424	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15065	63
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01425	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15064	63
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01425	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15064	63
WERE	EVANS ENERGY CENTER UNIT 2	1	24.54999	0.01425	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15064	63
WERE	EVANS ENERGY CENTER UNIT 2	1	24.54999	0.01425	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15064	63
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01338	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15151	63
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01338	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15151	63
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01338	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15151	63
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01338	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15151	63
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.01359	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.1513	63
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.01359	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.1513	63
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	38.51788	-0.08732	WERE	CLAY CENTER JUNCTION	1	9999	0.06379	-0.15111	63
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	38.51788	-0.08732	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0.04945	-0.13677	69
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11546	82
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11546	82
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11546	82
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11546	82
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11546	82
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11546	82
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11546	82
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11546	82
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.04942	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11547	82
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.04942	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11547	82

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

WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	0.04945	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11544	82
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	0.04945	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11544	82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	0.05234	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11255	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	0.05234	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11255	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	0.05234	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11255	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	0.05234	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11255	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0.05234	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11255	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0.05234	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11255	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0.0523	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11259	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0.0523	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11259	84
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	46	0.06094	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.10395	91
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	46	0.06094	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.10395	91
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	38.51788	-0.08732	WERE	EVANS ENERGY CENTER UNIT 2	1	303.45	0.01425	-0.10157	93
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	38.51788	-0.08732	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01366	-0.10098	94
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	38.51788	-0.08732	WERE	CHANUTE GENERATION SUB	14	42.721	0.00291	-0.09023	105
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00288	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.06788	140
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00288	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.06788	140
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15465	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	-0.08732	-0.06733	141
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00288	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.07	-0.06712	141
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15225	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	-0.08732	-0.06493	146
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00288	WERE	CLAY CENTER JUNCTION	1	9999	0.06379	-0.06091	156
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01338	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.05738	165
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01338	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.05738	165
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.01359	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.05717	166
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.01359	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.05717	166
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01424	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.05652	168
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01424	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.05652	168
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01424	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.05652	168
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01424	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.05652	168
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01424	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.05652	168
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01424	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.05652	168
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01425	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.05651	168
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01425	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.05651	168
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01338	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.07	-0.05662	168
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.01359	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.07	-0.05641	168
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01424	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.07	-0.05576	170
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01424	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.07	-0.05576	170
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01424	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.07	-0.05576	170
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01425	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.07	-0.05575	170
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01338	WERE	CLAY CENTER JUNCTION	1	9999	0.06379	-0.05041	188
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.01359	WERE	CLAY CENTER JUNCTION	1	9999	0.06379	-0.0502	189

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Direction: To->From
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 572705718215676567211307WP
 Date Redispatch Needed: 12/1/2007 - 4/1/2008

Reservation	Relief Amount	Aggregate Relief Amount
1022463	4.1	13.5
1032956	0.8	13.5
1034234	1.3	13.5
1034276	3.1	13.5
1034394	0.2	13.5
1035259	3.9	13.5

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.31714	42
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.31714	42
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15471	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.31954	42
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15471	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.31954	42
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	28.07486	-0.08738	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.25221	53
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	28.07486	-0.08738	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.25221	53
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0707	-0.22301	60
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0707	-0.22301	60
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06994	-0.22225	61
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	CLAY CENTER JUNCTION	1	9999	0.06373	-0.21604	62
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06087	-0.21318	63
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05228	-0.20459	66
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.05228	-0.20459	66
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05224	-0.20455	66
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.04939	-0.2017	67
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01418	-0.16649	81
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01352	-0.16583	81
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01359	-0.1659	81
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00281	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.16202	83
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00281	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.16202	83
WERE	GETTY	1	35	0.0123	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.15253	88
WERE	GETTY	1	35	0.0123	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.15253	88
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01417	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.15066	89
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01417	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.15066	89
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01417	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.15066	89
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01417	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.15066	89
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01418	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.15065	89
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01418	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.15065	89
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01331	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.15152	89
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01331	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.15152	89
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01331	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.15152	89
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01331	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.15152	89
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04937	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.11546	116
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04937	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.11546	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.04937	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.11546	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.04937	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.11546	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.04937	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.11546	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.04937	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.11546	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.04937	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.11546	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.04937	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.11546	116
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01417	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0707	-0.05653	238
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01417	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0707	-0.05653	238
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01418	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0707	-0.05652	238
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01418	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0707	-0.05652	238
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01418	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06994	-0.05576	241
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01418	WERE	CLAY CENTER JUNCTION	1	9999	0.06373	-0.04955	271

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

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

Upgrade: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
 Direction: To->From
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 5727057182156765567213106WP
 Date Redispatch Needed: 12/1/06 - 4/1/07

Reservation		Relief Amount	Aggregate Relief Amount													
		1032956	1.0	5.0												
		1034394	0.3	5.0												
		1035259	3.8	5.0												
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)					
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.1549	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.3183	16					
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15736	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.32076	16					
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	87.45279	-0.08932	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.25272	20					
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.1549	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.22489	22					
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.1549	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.22489	22					
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15736	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.22657	22					
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15736	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.22735	22					
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15736	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.22735	22					
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.1549	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.22411	23					
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15736	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.01393	-0.17129	29					
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.1549	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.01393	-0.16883	30					
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.1549	WERE	WACO	1	17.953	0.01339	-0.16829	30					
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15736	WERE	CITY OF WINFIELD	1	24.34801	0.01052	-0.16788	30					
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15736	WERE	WACO	1	17.953	0.01339	-0.17075	30					
WERE	CHANUTE GENERATION SUB	14	20.036	0.00277	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.16063	31					
WERE	CITY OF ERIE	1	16	0.00277	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.16063	31					
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.1549	WERE	CITY OF WINFIELD	1	24.34801	0.01052	-0.16542	31					
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00275	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.16065	31					
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.1549	WERE	CHANUTE GENERATION SUB	14	22.764	0.00277	-0.15767	32					
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15736	WERE	CHANUTE GENERATION SUB	14	22.764	0.00277	-0.16013	32					
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	87.45279	-0.08932	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.15853	32					
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	87.45279	-0.08932	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.15931	32					
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	87.45279	-0.08932	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.15931	32					
WERE	CITY OF WELLINGTON	5	20	0.01141	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.15199	33					
WERE	CITY OF WELLINGTON	6	19.5	0.01141	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.15199	33					
WERE	GETTY	1	35	0.01209	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.15131	33					
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01393	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.14947	34					
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01393	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.14947	34					
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01393	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.14947	34					
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01393	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.14947	34					
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01393	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.14947	34					
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01307	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.15033	34					
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01307	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.15033	34					
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.01327	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.15013	34					
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.01333	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.15007	34					
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04832	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11508	44					
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.04832	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11508	44					
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.04832	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11508	44					
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.04832	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11508	44					
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.04831	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11509	44					
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.04831	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11509	44					
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.04831	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11509	44					
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	0.04834	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11506	44					
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	0.05148	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11192	45					
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	0.05148	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11192	45					
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0.05148	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11192	45					
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0.05145	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11195	45					
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	0.05148	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11192	45					
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	0.06034	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.10306	49					
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	87.45279	-0.08932	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.01393	-0.10325	49					
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	87.45279	-0.08932	WERE	WACO	1	17.953	0.01339	-0.10271	49					
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	87.45279	-0.08932	WERE	CITY OF WINFIELD	1	24.34801	0.01052	-0.09984	51					
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.06921	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.09419	54					
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.06999	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.09341	54					
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.06999	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.09341	54					
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	87.45279	-0.08932	WERE	CHANUTE GENERATION SUB	14	22.764	0.00277	-0.09209	55					
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15736	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	-0.08932	-0.06804	74					
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00275	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.06724	75					
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00275	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.06724	75					
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00275	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.06646	76					
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.1549	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	-0.08932	-0.06558	77					

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

WERE	GETTY	1	35	0.01209	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.0579	87
WERE	GETTY	1	35	0.01209	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.0579	87
WERE	GETTY	1	35	0.01209	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.05712	88
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01307	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.05692	89
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01307	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.05692	89
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01307	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.05692	89
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01307	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.05692	89
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.01327	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.05672	89
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.01327	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.05672	89
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.01333	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.05666	89
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.01333	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.05666	89
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.05606	90
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01307	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.05614	90
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01307	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.05614	90
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.01327	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.05594	90
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.01333	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.05588	90
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.05528	91
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.05528	91
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.05528	91
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.05528	91
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01393	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.05528	91

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1
 Limiting Facility: SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: SUB 389 - JOPLIN SOUTHWEST - SUB 422 - JOPLIN 24TH & CONNECTICUT 161KV CKT 1
 Flowgate: JOPPLINSW1521594835960711306SP
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount										
1034394	0.5	0.5										
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
EMDE	RIVERTON UNIT #9	1	12	-0.11255	EMDE	STATE LINE COMBINED CYCLE	1	200	0.0375	-0.15005	4	
EMDE	RIVERTON UNIT #9	1	12	-0.11255	EMDE	STATE LINE UNIT #1	1	101.2383	0.0375	-0.15005	4	
EMDE	RIVERTON UNIT #9	1	12	-0.11255	EMDE	STATE LINE UNIT #2	1	153	0.0375	-0.15005	4	
EMDE	RIVERTON UNIT #9	1	12	-0.11255	EMDE	STATE LINE UNIT #3	1	150	0.0375	-0.15005	4	
EMDE	RIVERTON UNIT #9	1	12	-0.11255	EMDE	ASBURY UNIT #1	1	191	-0.00114	-0.11141	5	
EMDE	RIVERTON UNIT #9	1	12	-0.11255	EMDE	LARUSSEL UNIT #3	1	58	0.00053	-0.11308	5	
EMDE	RIVERTON UNIT #9	1	12	-0.11255	EMDE	LARUSSEL UNIT #4	1	58	0.00053	-0.11308	5	
EMDE	ASBURY UNIT #2	1	20	-0.00114	EMDE	STATE LINE COMBINED CYCLE	1	200	0.0375	-0.03864	14	
EMDE	ASBURY UNIT #2	1	20	-0.00114	EMDE	STATE LINE UNIT #1	1	101.2383	0.0375	-0.03864	14	
EMDE	ASBURY UNIT #2	1	20	-0.00114	EMDE	STATE LINE UNIT #2	1	153	0.0375	-0.03864	14	
EMDE	ASBURY UNIT #2	1	20	-0.00114	EMDE	STATE LINE UNIT #3	1	150	0.0375	-0.03864	14	
EMDE	LARUSSEL UNIT #1	1	90	0.00053	EMDE	STATE LINE COMBINED CYCLE	1	200	0.0375	-0.03697	14	
EMDE	LARUSSEL UNIT #1	1	90	0.00053	EMDE	STATE LINE UNIT #1	1	101.2383	0.0375	-0.03697	14	
EMDE	LARUSSEL UNIT #1	1	90	0.00053	EMDE	STATE LINE UNIT #2	1	153	0.0375	-0.03697	14	
EMDE	LARUSSEL UNIT #1	1	90	0.00053	EMDE	STATE LINE UNIT #3	1	150	0.0375	-0.03697	14	
EMDE	LARUSSEL UNIT #2	1	90	0.00053	EMDE	STATE LINE COMBINED CYCLE	1	200	0.0375	-0.03697	14	
EMDE	LARUSSEL UNIT #2	1	90	0.00053	EMDE	STATE LINE UNIT #1	1	101.2383	0.0375	-0.03697	14	
EMDE	LARUSSEL UNIT #2	1	90	0.00053	EMDE	STATE LINE UNIT #2	1	153	0.0375	-0.03697	14	
EMDE	LARUSSEL UNIT #2	1	90	0.00053	EMDE	STATE LINE UNIT #3	1	150	0.0375	-0.03697	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

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

Upgrade: TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1
 Limiting Facility: TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1
 Direction: From->To
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 57180571821567655677211107SP
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1022463	4.6	12.9
1032956	0.7	12.9
1032994	1.9	12.9
1034276	0.6	12.9
1034363	1.9	12.9
1034394	0.3	12.9
1034407	1.5	12.9
1034589	0.3	12.9
1034590	0.8	12.9
1034628	0.3	12.9

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856	-0.03583	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.84704	15
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856	-0.03583	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.84704	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	24.41943	0.02666	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.78455	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	24.41943	0.02666	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.78455	16
WERE	CITY OF WELLINGTON	6	15.6	0.00055	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.81066	16
WERE	CITY OF WELLINGTON	6	15.6	0.00055	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.81066	16
WERE	CITY OF WINFIELD	T	10.2	0.00051	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.8107	16
WERE	CITY OF WINFIELD	T	10.2	0.00051	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.8107	16
WERE	CLAY CENTER JUNCTION	1	28.7	0.02379	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.78742	16
WERE	CLAY CENTER JUNCTION	1	28.7	0.02379	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.78742	16
WERE	GETTY	1	35	0.00212	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.80909	16
WERE	GETTY	1	35	0.00212	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.80909	16
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.02399	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.78722	16
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.02399	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.78722	16
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.02399	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.78722	16
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.02399	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.78722	16
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00134	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.81255	16
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00134	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.81255	16
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.04754	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.76367	17
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.04754	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.76367	17
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.06021	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.751	17
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.06021	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.751	17
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.06021	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.751	17
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.06021	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.751	17
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.57439	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.23682	54
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.57439	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.23682	54
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.57439	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.23682	54
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.57439	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.23682	54

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57368573721568725687312206SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
1034311	4.7	15.1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.32833	46
1034363	3.0	15.1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.32833	46
1034407	1.8	15.1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.32833	46
1034420	1.5	15.1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.32833	46
1034424	3.0	15.1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.32833	46
1034628	0.9	15.1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.32833	46
1037590	0.2	15.1	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.32833	46
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.32833	46
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.32134	47
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.32134	47
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.32134	47
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.3213	47
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.3213	47
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.32134	47
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.3143	48
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.31481	48
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	48
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	48
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.3143	48
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.31481	48
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	48
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	48
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.3143	48
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.31481	48
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	48
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	48
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.31431	48
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.3143	48
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.31481	48
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	48
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	48
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	49
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	CITY OF ERIE	1	20	0.0016	-0.30645	49
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.30525	49
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	49
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	CITY OF ERIE	1	20	0.0016	-0.30645	49
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.30525	49
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	49
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	CITY OF ERIE	1	20	0.0016	-0.30645	49
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.30525	49
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.30727	49
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.30778	49
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.3063	49
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.3063	49
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	49
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	CITY OF ERIE	1	20	0.0016	-0.30645	49
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.30525	49
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	CITY OF WELLINGTON	5	20	-0.00166	-0.30319	50
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	CITY OF WELLINGTON	6	19.5	-0.00166	-0.30319	50
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00305	-0.3018	50
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	WACO	1	17.964	-0.0027	-0.30215	50
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	CITY OF WELLINGTON	5	20	-0.00166	-0.30319	50
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	CITY OF WELLINGTON	6	19.5	-0.00166	-0.30319	50
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00305	-0.3018	50
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	WACO	1	17.964	-0.0027	-0.30215	50
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	CITY OF WELLINGTON	6	19.5	-0.00166	-0.30319	50
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	CITY OF WELLINGTON	5	20	-0.00166	-0.30319	50

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00305	-0.3018	50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	WACO	1	17.964	-0.0027	-0.30215	50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.29942	50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	CITY OF ERIE	1	20	0.0016	-0.29942	50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.29822	50
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	CITY OF WELLINGTON	5	20	-0.00166	-0.30319	50
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	CITY OF WELLINGTON	6	19.5	-0.00166	-0.30319	50
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00305	-0.3018	50
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	WACO	1	17.964	-0.0027	-0.30215	50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	CITY OF WELLINGTON	6	19.5	-0.00166	-0.29616	51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	CITY OF WELLINGTON	5	20	-0.00166	-0.29616	51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00305	-0.29477	51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	WACO	1	17.964	-0.0027	-0.29512	51
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26383	57
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26383	57
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26383	57
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26383	57
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26383	57
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26383	57
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26383	57
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26383	57
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.24024	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26372	57
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.24024	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26372	57
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.2405	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26398	57
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.2405	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26398	57
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25684	59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25684	59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25684	59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25684	59
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.24024	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25673	59
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.2405	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25699	59
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.2498	60
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.25031	60
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24883	60
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24883	60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.2498	60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.25031	60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24883	60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24883	60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.2498	60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.25031	60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24883	60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24883	60

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57368573721568725687312207SH
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1034234	0.2	5.1
1034276	0.5	5.1
1034311	0.8	5.1
1034363	0.3	5.1
1034407	0.3	5.1
1034420	0.2	5.1
1034424	0.4	5.1
1034589	0.1	5.1
1034590	0.3	5.1
1034595	1.2	5.1
1034628	0.1	5.1
1036932	0.4	5.1
1037590	0.0	5.1
1040115	0.4	5.1

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.31238	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.31238	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.31238	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.31238	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.31238	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.31238	16
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.31238	16
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.31238	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.29286	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	CITY OF ERIE	1	20	0.0011	-0.29286	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.30658	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29916	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.2994	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.29878	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.29286	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	CITY OF ERIE	1	20	0.0011	-0.29286	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.30658	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29916	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.2994	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.29878	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.29286	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	CITY OF ERIE	1	20	0.0011	-0.29286	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.30658	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29916	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.2994	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.29878	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.2988	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.3046	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.3046	17
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.29286	17
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	CITY OF ERIE	1	20	0.0011	-0.29286	17
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.30658	17
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29916	17
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.2994	17
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.29878	17
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	CITY OF WELLINGTON	5	20	-0.00168	-0.29008	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	CITY OF WELLINGTON	6	19.5	-0.00168	-0.29008	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.29157	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28883	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	WACO	1	17.947	-0.00265	-0.28911	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	CITY OF WELLINGTON	5	20	-0.00168	-0.29008	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	CITY OF WELLINGTON	6	19.5	-0.00168	-0.29008	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.29157	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28883	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	WACO	1	17.947	-0.00265	-0.28911	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	CITY OF WELLINGTON	6	19.5	-0.00168	-0.29008	18

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.29176	WERE	CITY OF WELLINGTON	5	20	-0.00168	-0.29008	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.29176	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.29157	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.29176	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28883	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.29176	WERE	WACO	1	17.947	-0.00265	-0.28911	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.28398	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.28508	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.28398	WERE	CITY OF ERIE	1	20	0.0011	-0.28508	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.28398	WERE	CITY OF WELLINGTON	6	19.5	-0.00168	-0.2823	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.28398	WERE	CITY OF WELLINGTON	5	20	-0.00168	-0.2823	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.28398	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.28379	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.28398	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28105	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.28398	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29138	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.28398	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.29162	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.28398	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.291	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.28398	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.291	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.28398	WERE	WACO	1	17.947	-0.00265	-0.28133	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.29176	WERE	CITY OF WELLINGTON	6	19.5	-0.00168	-0.29008	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.29176	WERE	CITY OF WELLINGTON	5	20	-0.00168	-0.29008	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.29176	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.29157	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.29176	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28883	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.29176	WERE	WACO	1	17.947	-0.00265	-0.28911	18
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1		78	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.24299	21
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1		78	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.24299	21
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1		52	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.24299	21
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1		52	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.24299	21
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1		50	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.24299	21
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1		50	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.24299	21
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1		52	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.24299	21
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1		52	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.24299	21
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1		31	-0.22225	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.24287	21
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1		18	-0.22225	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.24287	21
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1		18	-0.22225	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.24287	21
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1		18	-0.22225	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.24287	21
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1		31	-0.22225	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.24287	21
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1		31	-0.22225	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.24287	21
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1		70.99999	-0.22252	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.24314	21
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1		70.99999	-0.22252	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.24314	21
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1		78	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.23719	22
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1		78	-0.22237	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.22977	22
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1		78	-0.22237	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.23001	22
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1		78	-0.22237	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.22939	22
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1		78	-0.22237	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.22939	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1		52	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.23719	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1		52	-0.22237	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.22977	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1		52	-0.22237	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.23001	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1		52	-0.22237	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.22939	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1		52	-0.22237	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.22939	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1		50	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.23719	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1		50	-0.22237	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.22977	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1		50	-0.22237	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.23001	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1		50	-0.22237	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.22939	22

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57368573721568725687312211WP
 Date Redispatch Needed: 12/1/2011 - 4/1/2012

Reservation	Relief Amount	Aggregate Relief Amount
1032991	0.1	15.2
1032991	0.1	15.2
1032992	0.3	15.2
1032992	0.4	15.2
1034234	0.5	15.2
1034276	1.0	15.2
1034311	1.6	15.2
1034363	1.0	15.2
1034407	1.0	15.2
1034420	0.5	15.2
1034424	0.8	15.2
1034434	0.7	15.2
1034589	0.4	15.2
1034590	0.9	15.2
1034595	2.5	15.2
1034625	1.5	15.2
1034628	0.4	15.2
1036932	0.7	15.2
1037590	0.1	15.2
1040115	0.8	15.2

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.30646	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.31226	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.31226	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.30646	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.31226	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.31226	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.30646	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.31226	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.31226	49
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.30646	49
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.31226	49
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.31226	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.30449	50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.30449	50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29162	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00766	-0.29928	51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29162	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00766	-0.29928	51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29162	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00766	-0.29928	51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.29869	51
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29162	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00766	-0.29928	51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29162	WERE	CHANUTE GENERATION SUB	14	28.161	0.0009	-0.29252	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29162	WERE	CITY OF WELLINGTON	5	20	-0.00166	-0.28996	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29162	WERE	CITY OF WELLINGTON	6	19.36	-0.00166	-0.28996	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29162	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.00019	-0.29143	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29162	WERE	WACO	1	17.96	-0.00264	-0.28898	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29162	WERE	CHANUTE GENERATION SUB	14	28.161	0.0009	-0.29252	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29162	WERE	CITY OF WELLINGTON	6	19.36	-0.00166	-0.28996	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29162	WERE	CITY OF WELLINGTON	5	20	-0.00166	-0.28996	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29162	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.00019	-0.29143	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29162	WERE	WACO	1	17.96	-0.00264	-0.28898	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29162	WERE	CHANUTE GENERATION SUB	14	28.161	0.0009	-0.29252	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29162	WERE	CITY OF WELLINGTON	6	19.36	-0.00166	-0.28996	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29162	WERE	CITY OF WELLINGTON	5	20	-0.00166	-0.28996	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29162	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.00019	-0.29143	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29162	WERE	WACO	1	17.96	-0.00264	-0.28898	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00766	-0.29151	52
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29162	WERE	CHANUTE GENERATION SUB	14	28.161	0.0009	-0.29252	52
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29162	WERE	CITY OF WELLINGTON	5	20	-0.00166	-0.28996	52
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29162	WERE	CITY OF WELLINGTON	6	19.36	-0.00166	-0.28996	52
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29162	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.00019	-0.29143	52
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29162	WERE	WACO	1	17.96	-0.00264	-0.28898	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	CHANUTE GENERATION SUB	14	28.161	0.0009	-0.28475	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.00019	-0.28366	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	CITY OF WELLINGTON	5	20	-0.00166	-0.28219	54
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	CITY OF WELLINGTON	6	19.36	-0.00166	-0.28219	54

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.24286	62
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.24286	62
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.24286	62
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.24286	62
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.24286	62
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.24286	62
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.24286	62
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.24286	62
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22199	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.24263	62
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22199	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.24263	62
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.24302	62
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.24302	62
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.23706	64
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.23706	64
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.23706	64
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.23706	64
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22199	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.23683	64
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.23722	64
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00766	-0.22988	66
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22222	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00766	-0.22988	66
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22222	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00766	-0.22988	66
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22222	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00766	-0.22988	66
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22199	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00766	-0.22965	66
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00766	-0.23004	66
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	CHANUTE GENERATION SUB	14	28.161	0.0009	-0.22312	68
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.00019	-0.22203	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22222	WERE	CHANUTE GENERATION SUB	14	28.161	0.0009	-0.22312	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22222	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.00019	-0.22203	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22222	WERE	CHANUTE GENERATION SUB	14	28.161	0.0009	-0.22312	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22222	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.00019	-0.22203	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22222	WERE	CHANUTE GENERATION SUB	14	28.161	0.0009	-0.22312	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22222	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.00019	-0.22203	68
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22199	WERE	CHANUTE GENERATION SUB	14	28.161	0.0009	-0.22289	68
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22199	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.00019	-0.2218	68
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	CHANUTE GENERATION SUB	14	28.161	0.0009	-0.22328	68
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.00019	-0.22219	68
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29162	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.1899	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29162	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.1899	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29162	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.1899	80
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29162	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.1899	80
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16093	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.18157	83
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16093	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.18157	83
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.18213	83
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16093	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.17577	86
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16093	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00766	-0.16859	90
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16093	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.00019	-0.16074	94
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.1205	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22222	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.1205	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22222	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.1205	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22222	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.1205	126
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.12066	126

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57368573811568725687312206SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1026268	7.4	22.4
1034311	4.7	22.4
1034363	3.0	22.4
1034407	1.8	22.4
1034420	1.5	22.4
1034424	3.0	22.4
1034628	0.9	22.4
1037590	0.2	22.4

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.32833	68
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.32833	68
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.32833	68
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.32833	68
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.32833	68
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.32833	68
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.32833	68
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.32833	68
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.32134	70
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.32134	70
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.32134	70
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.3213	70
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.3213	70
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.32134	70
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.3143	71
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.31481	71
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.3143	71
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.31481	71
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.3143	71
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.31481	71
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.31431	71
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.3143	71
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.31481	71
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	72
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	72
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	72
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	72
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	72
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	72
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	72
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	72
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.30525	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.30525	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.30525	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.30727	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.30778	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.3063	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.3063	73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.30525	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00305	-0.3018	74
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00305	-0.3018	74
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00305	-0.3018	74
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00305	-0.3018	74
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.29942	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.29822	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00305	-0.29477	76
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26383	85
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26383	85
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26383	85
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26383	85
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26383	85
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26383	85

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

WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26383	85
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26383	85
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.24024	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26372	85
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.24024	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26372	85
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.24005	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26398	85
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.24005	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26398	85
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25684	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25684	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25684	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25684	87
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.24024	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25673	87
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.24005	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25699	87
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.2498	90
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.25031	90
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24883	90
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24883	90
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.2498	90
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.25031	90
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24883	90
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24883	90
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.2498	90
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.25031	90
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24883	90
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24883	90
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.2498	90
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.25031	90
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24883	90
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24883	90
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.24024	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.24969	90
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.24024	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.2502	90
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.24024	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24872	90
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.24024	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24872	90
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.24005	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.24995	90
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.24005	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.25046	90
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.24005	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24898	90
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.24005	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24898	90
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.24195	93
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.24035	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.24075	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.24195	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.24035	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.24075	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.24195	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.24035	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.24075	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.24035	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.24195	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.24035	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.24075	93

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57368573811568725687312207FA
 Date Redispatch Needed: 10/1/07 - 12/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1026268	2.1	11.0
1032991	0.1	11.0
1032991	0.1	11.0
1032992	0.3	11.0
1034234	0.5	11.0
1034276	0.9	11.0
1034311	1.5	11.0
1034420	0.4	11.0
1034424	0.7	11.0
1034589	0.2	11.0
1034590	0.4	11.0
1034595	2.3	11.0
1034628	0.2	11.0
1036932	0.7	11.0
1037590	0.0	11.0
1040115	0.8	11.0

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.30657	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.30657	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.30657	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28399	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.30459	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28399	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.30459	36
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.30657	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.2994	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.29878	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.29878	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29177	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.2994	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29177	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.29878	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29177	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.29878	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29177	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.2994	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29177	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.29878	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29177	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.29878	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28399	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.29879	37
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29177	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.2994	37
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29177	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.29878	37
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29177	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.29878	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	CHANUTE GENERATION SUB	14	42.721	0.00108	-0.29285	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	EVANS ENERGY CENTER UNIT 2	1	165	-0.00022	-0.29155	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	WACO	1	17.946	-0.00268	-0.28909	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29177	WERE	CHANUTE GENERATION SUB	14	42.721	0.00108	-0.29285	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29177	WERE	EVANS ENERGY CENTER UNIT 2	1	165	-0.00022	-0.29155	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29177	WERE	WACO	1	17.946	-0.00268	-0.28909	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29177	WERE	CHANUTE GENERATION SUB	14	42.721	0.00108	-0.29285	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29177	WERE	EVANS ENERGY CENTER UNIT 2	1	165	-0.00022	-0.29155	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29177	WERE	WACO	1	17.946	-0.00268	-0.28909	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28399	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.29162	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28399	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.291	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28399	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.291	38
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29177	WERE	CHANUTE GENERATION SUB	14	42.721	0.00108	-0.29285	38
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29177	WERE	EVANS ENERGY CENTER UNIT 2	1	165	-0.00022	-0.29155	38
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29177	WERE	WACO	1	17.946	-0.00268	-0.28909	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28399	WERE	CHANUTE GENERATION SUB	14	42.721	0.00108	-0.28507	39
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28399	WERE	EVANS ENERGY CENTER UNIT 2	1	165	-0.00022	-0.28377	39
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28399	WERE	WACO	1	17.946	-0.00268	-0.28131	39
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.24298	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.24298	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.24298	45

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.24298	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.24298	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.24298	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.24298	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.24298	45
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.22226	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.24286	45
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.22226	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.24286	45
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.22226	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.24286	45
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.22226	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.24286	45
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22226	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.24286	45
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22226	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.24286	45
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22253	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.24313	45
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22253	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.24313	45
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22253	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.23733	46
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.23718	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.23718	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.23718	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.23718	47
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.22226	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.23706	47
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.22226	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.23706	47
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22226	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.23706	47
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22238	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.23001	48
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22238	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.22939	48
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22238	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.22939	48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22238	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.23001	48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22238	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.22939	48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22238	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.22939	48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22238	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.23001	48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22238	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.22939	48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22238	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.22939	48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22238	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.23001	48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22238	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.22939	48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22238	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.22939	48
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.22226	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.22989	48
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.22226	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.22927	48
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.22226	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.22927	48
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.22226	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.22989	48
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.22226	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.22927	48
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.22226	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.22927	48
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22226	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.22989	48
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22226	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.22927	48
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22226	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.22927	48
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22253	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.23016	48
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22253	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.22954	48
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22253	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.22954	48
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22238	WERE	CHANUTE GENERATION SUB	14	42.721	0.00108	-0.22346	49
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22238	WERE	CHANUTE GENERATION SUB	14	42.721	0.00108	-0.22346	49
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22238	WERE	CHANUTE GENERATION SUB	14	42.721	0.00108	-0.22346	49
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22238	WERE	CHANUTE GENERATION SUB	14	42.721	0.00108	-0.22346	49
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.22226	WERE	CHANUTE GENERATION SUB	14	42.721	0.00108	-0.22334	49
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.22226	WERE	CHANUTE GENERATION SUB	14	42.721	0.00108	-0.22334	49
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22226	WERE	CHANUTE GENERATION SUB	14	42.721	0.00108	-0.22334	49

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57368573811568725687312207SH
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount											
1026268	4.4	23.7											
1034234	0.9	23.7											
1034276	1.8	23.7											
1034311	2.8	23.7											
1034363	1.1	23.7											
1034407	1.1	23.7											
1034420	0.8	23.7											
1034424	1.4	23.7											
1034589	0.5	23.7											
1034590	1.2	23.7											
1034595	4.5	23.7											
1034628	0.5	23.7											
1036932	1.3	23.7											
1037590	0.1	23.7											
1040115	1.4	23.7											
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.31238	76		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.31238	76		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.31238	76		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.31238	76		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.31238	76		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.31238	76		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.31238	76		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.31238	76		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.30658	77		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.30658	77		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.30658	77		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.30658	77		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.3046	78		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.3046	78		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29916	79		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.2994	79		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.29878	79		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	79		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29916	79		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.2994	79		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.29878	79		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	79		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29916	79		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.2994	79		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.29878	79		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	79		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.2988	79		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29916	79		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.2994	79		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.29878	79		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	79		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.29286	81		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.29157	81		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.29286	81		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.29157	81		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.29286	81		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.29157	81		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29138	81		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.29162	81		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.291	81		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.291	81		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.29286	81		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.29157	81		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28883	82		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28883	82		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28883	82		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.28508	83		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.28379	84		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28105	84		

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.24299	98
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.24299	98
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.24299	98
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.24299	98
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.24299	98
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.24299	98
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.24299	98
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.24299	98
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.22252	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.24314	98
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.22252	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.24314	98
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.23719	100
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.23719	100
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.23719	100
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22237	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.23719	100
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.22252	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.23734	100
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22237	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.22977	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22237	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.23001	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22237	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.22939	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22237	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.22939	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22237	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.22977	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22237	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.23001	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22237	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.22939	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22237	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.22939	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22237	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.22977	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22237	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.23001	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22237	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.22939	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22237	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.22939	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22237	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.22977	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22237	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.23001	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22237	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.22939	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22237	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.22939	103
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.22252	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.22992	103
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.22252	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.23016	103
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.22252	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.22954	103
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.22252	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.22954	103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22237	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.22218	107
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22237	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.22218	107
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22237	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.22218	107
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22237	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.22218	107
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.22252	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.22233	107
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22237	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.21944	108
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22237	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.21944	108
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22237	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.21944	108
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22237	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.21944	108
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.22252	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.21959	108
WERE	BPU - CITY OF MCPHERSON GAS TRUBINE 1	1	51	-0.29176	WERE	CLAY CENTER JUNCTION	1	9999	-0.10176	-0.19	125
WERE	BPU - CITY OF MCPHERSON GAS TRUBINE 2	1	52	-0.29176	WERE	CLAY CENTER JUNCTION	1	9999	-0.10176	-0.19	125
WERE	BPU - CITY OF MCPHERSON GAS TRUBINE 3	1	50	-0.29176	WERE	CLAY CENTER JUNCTION	1	9999	-0.10176	-0.19	125
WERE	BPU - CITY OF MCPHERSON GAS TRUBINE 4	1	79	-0.28398	WERE	CLAY CENTER JUNCTION	1	9999	-0.10176	-0.18222	130
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.22252	WERE	CLAY CENTER JUNCTION	1	9999	-0.10176	-0.12076	196
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22237	WERE	CLAY CENTER JUNCTION	1	9999	-0.10176	-0.12061	197

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57368573811568725687312208WP
 Date Redispatch Needed: 12/1/2008 - 4/1/2009

Reservation	Relief Amount	Aggregate Relief Amount
1026268	2.4	13.9
1032991	0.1	13.9
1032991	0.1	13.9
1032992	0.4	13.9
1034234	0.5	13.9
1034276	1.0	13.9
1034311	1.6	13.9
1034407	0.5	13.9
1034420	0.4	13.9
1034424	0.8	13.9
1034434	0.7	13.9
1034589	0.3	13.9
1034590	0.6	13.9
1034595	2.5	13.9
1034628	0.3	13.9
1036932	0.8	13.9
1037590	0.1	13.9
1040115	0.9	13.9

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29167	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.30652	45
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29167	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.31232	45
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29167	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.31232	45
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29167	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.30652	45
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29167	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.31232	45
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29167	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.31232	45
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29167	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.30652	45
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29167	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.31232	45
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29167	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.31232	45
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29167	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.30652	45
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29167	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.31232	45
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29167	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.31232	45
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28389	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.30454	46
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28389	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.30454	46
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29167	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.29934	47
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29167	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.29934	47
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29167	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.29934	47
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28389	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.29874	47
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29167	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.29934	47
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29167	WERE	CHANUTE GENERATION SUB	14	20.589	0.00112	-0.29279	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29167	WERE	CITY OF WELLINGTON	5	19.519	-0.00169	-0.28998	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29167	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.29147	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29167	WERE	WACO	1	17.414	-0.00266	-0.28901	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29167	WERE	CHANUTE GENERATION SUB	14	20.589	0.00112	-0.29279	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29167	WERE	CITY OF WELLINGTON	5	19.519	-0.00169	-0.28998	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29167	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.29147	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29167	WERE	WACO	1	17.414	-0.00266	-0.28901	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29167	WERE	CHANUTE GENERATION SUB	14	20.589	0.00112	-0.29279	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29167	WERE	CITY OF WELLINGTON	5	19.519	-0.00169	-0.28998	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29167	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.29147	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29167	WERE	WACO	1	17.414	-0.00266	-0.28901	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28389	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.29156	48
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29167	WERE	CHANUTE GENERATION SUB	14	20.589	0.00112	-0.29279	48
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29167	WERE	CITY OF WELLINGTON	5	19.519	-0.00169	-0.28998	48
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29167	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.29147	48
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29167	WERE	WACO	1	17.414	-0.00266	-0.28901	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28389	WERE	CHANUTE GENERATION SUB	14	20.589	0.00112	-0.28501	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28389	WERE	CITY OF WELLINGTON	5	19.519	-0.00169	-0.2822	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28389	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.28369	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28389	WERE	WACO	1	17.414	-0.00266	-0.28123	50
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.24293	57
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.24293	57
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.24293	57
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.24293	57
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.24293	57
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.24293	57

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.24293	57
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.24293	57
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22205	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.2427	57
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22205	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.2427	57
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22243	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.24308	57
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22243	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.24308	57
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.23713	59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.23713	59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.23713	59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.23713	59
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22205	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.2369	59
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22243	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.23728	59
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22228	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.22995	61
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22228	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.22995	61
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22228	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.22995	61
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22228	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.22995	61
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22205	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.22972	61
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22243	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.2301	61
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22228	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.22208	63
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22228	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.22208	63
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22228	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.22208	63
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22228	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.22208	63
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22205	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.22185	63
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22243	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.22223	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29167	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.18995	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29167	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.18995	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29167	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.18995	73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29167	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.18995	73
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16095	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.1816	77
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16095	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.1816	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28389	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.18217	77
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16095	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.1758	79
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16095	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.16862	83
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16095	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.16075	87
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22243	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.12071	115
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22228	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.12056	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22228	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.12056	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22228	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.12056	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22228	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.12056	116

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57368573811568725687313211WP
 Date Redispatch Needed: 12/1/2011 - 4/1/2012

Reservation	Relief Amount	Aggregate Relief Amount
1026268	6.9	52.3
1032991	0.3	52.3
1032991	0.4	52.3
1032992	1.0	52.3
1032992	1.2	52.3
1034234	1.5	52.3
1034276	2.9	52.3
1034311	4.7	52.3
1034363	3.0	52.3
1034407	3.0	52.3
1034420	1.4	52.3
1034424	2.3	52.3
1034434	2.2	52.3
1034589	1.0	52.3
1034590	2.6	52.3
1034595	7.4	52.3
1034625	4.6	52.3
1034628	1.0	52.3
1036932	2.2	52.3
1037590	0.2	52.3
1040115	2.4	52.3

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.30449	172
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.30449	172
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.29869	175
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.00766	-0.29151	180
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	EVANS ENERGY CENTER UNIT 2	1	102.3201	-0.00019	-0.28366	185
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.24302	215
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.24302	215
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.24286	216
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.24286	216
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.23706	221
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.23722	221
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.00766	-0.22988	228
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.00766	-0.23004	228
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	EVANS ENERGY CENTER UNIT 2	1	102.3201	-0.00019	-0.22219	236
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.12066	434

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57368573811568725687314206WP
 Date Redispatch Needed: 12/1/06 - 4/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1026268	7.0	30.7
1034311	4.7	30.7
1034363	2.9	30.7
1034407	3.2	30.7
1034420	1.7	30.7
1034424	2.9	30.7
1034589	1.1	30.7
1034590	2.6	30.7
1034628	1.1	30.7
1036932	1.7	30.7
1037590	0.2	30.7
1040115	1.8	30.7

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436	-0.32721	94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.32721	94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436	-0.32721	94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.32721	94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436	-0.32721	94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.32721	94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.32127	96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.32127	96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.32127	96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29585	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436	-0.32021	96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29585	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.32021	96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30285	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.31288	98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30285	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.31255	98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30285	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.31288	98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30285	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.31255	98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30285	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.31288	98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30285	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.31255	98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29585	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.31427	98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29585	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.30588	100
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29585	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.30555	100
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30285	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.30284	101
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30285	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.30284	101
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30285	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.30284	101
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29585	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.29584	104
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436	-0.26299	117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.26299	117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436	-0.26299	117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.26299	117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436	-0.26299	117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.26299	117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436	-0.26299	117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.26299	117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	151	-0.23878	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436	-0.26314	117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	151	-0.23878	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.26314	117

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

WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.25705	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.25705	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.25705	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.25705	119
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.23878	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.2572	119
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.23863	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.24866	123
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.23863	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.24866	123
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.23863	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.24866	123
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.23863	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.24866	123
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.23878	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.24881	123
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.23863	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.24833	124
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.23863	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.24833	124
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.23863	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.24833	124
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.23863	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.24833	124
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.23878	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.24848	124
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.23863	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.23862	129
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.23863	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.23862	129
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.23863	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.23862	129
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.23863	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.23862	129
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.23878	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.23877	129
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.1563	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436	-0.18066	170
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.1563	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.18066	170
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.1563	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.17472	176
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.1563	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.16633	185
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.1563	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.15629	196

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: NORTHVIEW - SUMMIT 115KV CKT 1
 Flowgate: 57368573811573715738112211SP
 Date Redispatch Needed: 6/1/2011 - 10/1/2011

Reservation	Relief Amount	Aggregate Relief Amount
1026268	4.1	11.7
1034234	1.0	11.7
1034276	1.9	11.7
1034434	1.5	11.7
1034589	0.2	11.7
1034590	0.4	11.7
1034595	2.4	11.7
1034628	0.2	11.7
1037590	0.2	11.7

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01154	-0.24557	48
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01154	-0.24557	48
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00022	-0.23381	50
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	CITY OF ERIE	1	19	-0.00022	-0.23381	50
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	CITY OF WELLINGTON	6	19.5	-0.00109	-0.23294	50
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	CITY OF WELLINGTON	5	20	-0.00109	-0.23294	50
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00087	-0.23316	50
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.23316	50
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.23316	50
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.23316	50
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	GILL ENERGY CENTER UNIT 2	1	27	-0.00138	-0.23265	50
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00276	-0.23679	50
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00124	-0.23279	50
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00124	-0.23279	50
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00153	-0.2325	51
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00158	-0.23245	51
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	221.21	-0.00151	-0.23252	51
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00481	-0.22922	51
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	-0.00481	-0.22922	51
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	WACO	1	17.972	-0.00151	-0.23252	51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01154	-0.19804	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01154	-0.19804	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00276	-0.18926	62
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00022	-0.18628	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00087	-0.18563	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.18563	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.18563	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.18563	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	GILL ENERGY CENTER UNIT 2	1	27	-0.00138	-0.18512	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00153	-0.18497	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00124	-0.18526	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00124	-0.18526	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	221.21	-0.00151	-0.18499	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00158	-0.18492	64
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00481	-0.18169	65
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.18665	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	-0.00481	-0.18169	65
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.09476	-0.13927	84
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.09467	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01154	-0.10621	111
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.09467	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01154	-0.10621	111
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.09467	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01154	-0.10621	111
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.09467	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01154	-0.10621	111
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.09467	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01154	-0.10621	111
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.09467	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01154	-0.10621	111
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.09467	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01154	-0.10621	111
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.09467	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01154	-0.10621	111
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.09467	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00276	-0.09743	121
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.09467	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00276	-0.09743	121
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.09467	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00276	-0.09743	121
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.09467	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00276	-0.09743	121
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.09467	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00022	-0.09445	124
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.09467	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00022	-0.09445	124
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.09467	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00022	-0.09445	124
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.09467	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00022	-0.09445	124
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.09467	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.0938	125
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.09467	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.0938	125

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.09467	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.0938	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.09467	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.0938	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.09467	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.0938	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.09467	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.0938	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.09467	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.0938	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.09467	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.0938	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.09467	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.0938	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.09467	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.0938	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.09467	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.0938	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.09467	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.0938	125
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.09467	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00153	-0.09314	126
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.09467	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00158	-0.09309	126
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.09467	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00124	-0.09343	126
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.09467	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	221.21	-0.00151	-0.09316	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.09467	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00153	-0.09314	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.09467	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00158	-0.09309	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.09467	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00124	-0.09343	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.09467	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	221.21	-0.00151	-0.09316	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.09467	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00153	-0.09314	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.09467	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00158	-0.09309	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.09467	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00124	-0.09343	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.09467	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	221.21	-0.00151	-0.09316	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.09467	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00153	-0.09314	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.09467	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00158	-0.09309	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.09467	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00124	-0.09343	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.09467	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	221.21	-0.00151	-0.09316	126
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.09467	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	-0.00481	-0.08986	131
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.09467	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	-0.00481	-0.08986	131
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.09467	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	-0.00481	-0.08986	131
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.09467	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	-0.00481	-0.08986	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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTHVIEW - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Flowgate: 57371573811573685738112206SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount													
1026268	8.8	9.1													
1037590	0.4	9.1													
Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.39103	23				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.39103	23				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	CHANUTE GENERATION SUB	14	33.658	0.00012	-0.38174	24				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	CITY OF ERIE	1	20	0.00012	-0.38174	24				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	CITY OF WELLINGTON	6	19.5	-0.00045	-0.38117	24				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	CITY OF WELLINGTON	5	20	-0.00045	-0.38117	24				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	CITY OF WINFIELD	1	11.8	-0.0003	-0.38132	24				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.38158	24				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.38008	24				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.38023	24				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.37959	24				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.37962	24				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00758	-0.37404	24				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00758	-0.37404	24				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	WACO	1	17.964	-0.00074	-0.38088	24				
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.38162	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	40	-0.07386	-0.30776	30				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.15647	58				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.15647	58				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.15647	58				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.15647	58				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14706	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.15647	58				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14706	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.15647	58				
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14706	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.15647	58				
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14706	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.15647	58				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706	WERE	CHANUTE GENERATION SUB	14	33.658	0.00012	-0.14718	62				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.14702	62				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.14624	62				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706	WERE	CHANUTE GENERATION SUB	14	33.658	0.00012	-0.14718	62				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.14702	62				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.14624	62				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14706	WERE	CHANUTE GENERATION SUB	14	33.658	0.00012	-0.14718	62				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14706	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.14702	62				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14706	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.14624	62				
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14706	WERE	CHANUTE GENERATION SUB	14	33.658	0.00012	-0.14718	62				
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14706	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.14702	62				
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14706	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.14624	62				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.14567	63				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.14503	63				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.14506	63				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.14567	63				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.14503	63				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.14506	63				
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14706	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.14567	63				
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14706	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.14503	63				
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14706	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.14506	63				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00758	-0.13948	66				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00758	-0.13948	66				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00758	-0.13948	66				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00758	-0.13948	66				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14706	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00758	-0.13948	66				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14706	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00758	-0.13948	66				
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14706	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00758	-0.13948	66				
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14706	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00758	-0.13948	66				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.13638	67				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.13638	67				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697	WERE	CHANUTE GENERATION SUB	14	33.658	0.00012	-0.12709	72				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.12693	72				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.12615	72				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.12558	73				

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.12494	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.12497	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00758	-0.11939	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00758	-0.11939	77
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.0738	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.0738	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.0738	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.0738	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.0738	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.0738	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.0738	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.0738	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.07386	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.08327	110
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.07386	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.08327	110
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.0738	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.07376	124
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.0738	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.07376	124
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.0738	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.07376	124
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.0738	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.07376	124
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.07386	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.07382	124
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.0738	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.07298	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.0738	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.07298	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.0738	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.07298	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.0738	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.07298	125
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.07386	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.07304	125
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.0738	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.07241	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.0738	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.07241	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.0738	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.07241	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.0738	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.07241	126
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.07386	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.07247	126
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.0738	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.07177	127
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.0738	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.0718	127
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.0738	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.07177	127
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.0738	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.0718	127
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.0738	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.07177	127
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.0738	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.0718	127
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.0738	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.07177	127
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.0738	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.0718	127
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.07386	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.07183	127

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTHVIEW - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Flowgate: 57371573811573685738112211SP
 Date Redispatch Needed: 6/1/2011 - 10/1/2011

Reservation	Relief Amount	Aggregate Relief Amount											
Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)		
	1026268	2.1	28.7	-0.24157	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00971	-0.25128	23		
	1034234	0.5	28.7	-0.24157	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00971	-0.25128	23		
	1034276	1.1	28.7	-0.24157	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00035	-0.24122	24		
	1034434	0.8	28.7	-0.24157	WERE	CITY OF ERIE	1	19	-0.00035	-0.24122	24		
	1034595	1.2	28.7	-0.24157	WERE	CITY OF WELLINGTON	6	19.5	-0.00091	-0.24066	24		
	1037590	0.1	28.7	-0.24157	WERE	CITY OF WELLINGTON	5	20	-0.00091	-0.24066	24		
			28.7	-0.24157	WERE	CITY OF WINFIELD	1	14.4	-0.00075	-0.24082	24		
			28.7	-0.24157	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00087	-0.2407	24		
			28.7	-0.24157	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.2407	24		
			28.7	-0.24157	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.2407	24		
			28.7	-0.24157	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.2407	24		
			28.7	-0.24157	WERE	GILL ENERGY CENTER UNIT 2	1	27	-0.00114	-0.24043	24		
			28.7	-0.24157	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00123	-0.24034	24		
			28.7	-0.24157	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00126	-0.24031	24		
			28.7	-0.24157	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00093	-0.2425	24		
			28.7	-0.24157	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00237	-0.2392	24		
			28.7	-0.24157	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00236	-0.23921	24		
			28.7	-0.24157	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	221.21	-0.0027	-0.23887	24		
			28.7	-0.24157	WERE	WACO	1	17.972	-0.00122	-0.24035	24		
			28.7	-0.24157	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00621	-0.23536	25		
			28.7	-0.24157	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	-0.00621	-0.23536	25		
			28.7	-0.24157	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.06785	-0.17372	34		
			30	-0.14257	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00971	-0.15228	38		
			30	-0.14257	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00971	-0.15228	38		
			30	-0.14257	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00035	-0.14222	41		
			30	-0.14257	WERE	CITY OF ERIE	1	19	-0.00035	-0.14222	41		
			30	-0.14257	WERE	CITY OF WELLINGTON	5	20	-0.00091	-0.14166	41		
			30	-0.14257	WERE	CITY OF WELLINGTON	6	19.5	-0.00091	-0.14166	41		
			30	-0.14257	WERE	CITY OF WINFIELD	1	14.4	-0.00075	-0.14182	41		
			30	-0.14257	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00087	-0.1417	41		
			30	-0.14257	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.1417	41		
			30	-0.14257	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.1417	41		
			30	-0.14257	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.1417	41		
			30	-0.14257	WERE	GILL ENERGY CENTER UNIT 2	1	27	-0.00114	-0.14143	41		
			30	-0.14257	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00123	-0.14134	41		
			30	-0.14257	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00126	-0.14131	41		
			30	-0.14257	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00093	-0.1435	41		
			30	-0.14257	WERE	WACO	1	17.972	-0.00122	-0.14135	41		
			30	-0.14257	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00237	-0.1402	42		
			30	-0.14257	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00236	-0.14021	42		
			30	-0.14257	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	221.21	-0.0027	-0.13987	42		
			30	-0.14257	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00621	-0.13636	43		
			30	-0.14257	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	-0.00621	-0.13636	43		
			28.7	-0.24157	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.12269	-0.11888	49		
			28.7	-0.24157	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.14257	-0.099	59		
			28.7	-0.24157	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.14257	-0.099	59		
			28.7	-0.24157	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.14257	-0.099	59		
			31	-0.06785	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00971	-0.07756	75		
			31	-0.06785	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00971	-0.07756	75		
			78	-0.06778	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00971	-0.07749	76		
			78	-0.06778	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00971	-0.07749	76		
			52	-0.06778	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00971	-0.07749	76		
			52	-0.06778	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00971	-0.07749	76		
			50	-0.06778	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00971	-0.07749	76		
			50	-0.06778	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00971	-0.07749	76		
			52	-0.06778	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00971	-0.07749	76		
			52	-0.06778	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00971	-0.07749	76		
			31	-0.06769	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00971	-0.0774	76		

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

WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.06769	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00971	-0.0774	76
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.06785	-0.07472	78
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.06778	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00093	-0.06871	85
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.06778	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00093	-0.06871	85
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.06778	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00093	-0.06871	85
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.06778	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00093	-0.06871	85
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.06769	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00093	-0.06862	85
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	-0.06785	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00093	-0.06878	85
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.06778	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00035	-0.06743	87
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.06778	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.06691	87
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.06778	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.06691	87
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.06778	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.06691	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.06778	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00035	-0.06743	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.06778	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.06691	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.06778	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.06691	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.06778	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.06691	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.06778	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00035	-0.06743	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.06778	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.06691	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.06778	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.06691	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.06778	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.06691	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.06778	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00035	-0.06743	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.06778	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.06691	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.06778	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.06691	87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.06778	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.06691	87
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.06769	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00035	-0.06734	87
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	-0.06785	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00035	-0.0675	87
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	-0.06785	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.06698	87
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	-0.06785	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.06698	87
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	-0.06785	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.06698	87
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.06778	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00123	-0.06655	88
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.06778	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00126	-0.06652	88
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.06778	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00123	-0.06655	88
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.06778	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00126	-0.06652	88
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.06778	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00123	-0.06655	88
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.06778	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00126	-0.06652	88
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.06778	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00123	-0.06655	88
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.06778	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00126	-0.06652	88
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.06769	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.06682	88
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.06769	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.06682	88
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.06769	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.06682	88
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.06769	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00123	-0.06646	88
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.06769	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00126	-0.06643	88

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTHVIEW - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Flowgate: 57371573811573685738112307SH
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount												
1026268	0.9	2.1	Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00965	-0.37576	5
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00965	-0.37576	5
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	CHANUTE GENERATION SUB	14	33.041	-0.00027	-0.36584	6
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	CITY OF ERIE	1	20	-0.00027	-0.36584	6
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	CITY OF WELLINGTON	5	20	-0.00093	-0.36518	6
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	CITY OF WELLINGTON	6	19.5	-0.00093	-0.36518	6
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.0009	-0.36521	6
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00128	-0.36483	6
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00085	-0.36696	6
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00242	-0.36369	6
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	241.0436	-0.00276	-0.36335	6
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00627	-0.35984	6
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00627	-0.35984	6
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	WACO	1	17.947	-0.00125	-0.36486	6
			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.06789	-0.29822	7
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00085	-0.2425	8
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00965	-0.2513	8
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00965	-0.2513	8
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	CHANUTE GENERATION SUB	14	33.041	-0.00027	-0.24138	9
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	CITY OF ERIE	1	20	-0.00027	-0.24138	9
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	CITY OF WELLINGTON	5	20	-0.00093	-0.24072	9
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	CITY OF WELLINGTON	6	19.5	-0.00093	-0.24072	9
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.0009	-0.24075	9
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00128	-0.24037	9
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00242	-0.23923	9
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	241.0436	-0.00276	-0.23889	9
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00627	-0.23538	9
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00627	-0.23538	9
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	WACO	1	17.947	-0.00125	-0.2404	9
			WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.06789	-0.17376	12
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	CHANUTE GENERATION SUB	14	33.041	-0.00027	-0.14234	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	CITY OF ERIE	1	20	-0.00027	-0.14234	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00085	-0.14346	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00965	-0.15226	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00965	-0.15226	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14261	WERE	CHANUTE GENERATION SUB	14	33.041	-0.00027	-0.14234	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14261	WERE	CITY OF ERIE	1	20	-0.00027	-0.14234	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14261	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00085	-0.14346	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14261	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00965	-0.15226	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14261	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00965	-0.15226	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14261	WERE	CHANUTE GENERATION SUB	14	33.041	-0.00027	-0.14234	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14261	WERE	CITY OF ERIE	1	20	-0.00027	-0.14234	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14261	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00085	-0.14346	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14261	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00965	-0.15226	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14261	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00965	-0.15226	14
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14261	WERE	CHANUTE GENERATION SUB	14	33.041	-0.00027	-0.14234	14
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14261	WERE	CITY OF ERIE	1	20	-0.00027	-0.14234	14
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14261	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00085	-0.14346	14
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14261	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00965	-0.15226	14
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14261	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00965	-0.15226	14
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	CITY OF WELLINGTON	5	20	-0.00093	-0.14168	15
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	CITY OF WELLINGTON	6	19.5	-0.00093	-0.14168	15
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.0009	-0.14171	15
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00128	-0.14133	15
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00242	-0.14019	15
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	241.0436	-0.00276	-0.13985	15
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00627	-0.13634	15
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00627	-0.13634	15
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	WACO	1	17.947	-0.00125	-0.14136	15

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

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.14261	WERE	CITY OF WELLINGTON	5		20	-0.00093	-0.14168	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.14261	WERE	CITY OF WELLINGTON	6		19.5	-0.00093	-0.14168	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.14261	WERE	EVANS ENERGY CENTER UNIT 2	1		305	-0.0009	-0.14171	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.14261	WERE	GILL ENERGY CENTER UNIT 4	1		77	-0.00128	-0.14133	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.14261	WERE	LAWRENCE ENERGY CENTER UNIT 4	1		60	-0.00242	-0.14019	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.14261	WERE	LAWRENCE ENERGY CENTER UNIT 5	1		241.0436	-0.00276	-0.13985	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.14261	WERE	TECUMSEH ENERGY CENTER UNIT 7	1		40	-0.00627	-0.13634	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.14261	WERE	TECUMSEH ENERGY CENTER UNIT 8	1		68.00001	-0.00627	-0.13634	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.14261	WERE	WACO	1		17.947	-0.00125	-0.14136	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.14261	WERE	CITY OF WELLINGTON	5		20	-0.00093	-0.14168	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.14261	WERE	CITY OF WELLINGTON	6		19.5	-0.00093	-0.14168	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.14261	WERE	EVANS ENERGY CENTER UNIT 2	1		305	-0.0009	-0.14171	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.14261	WERE	GILL ENERGY CENTER UNIT 4	1		77	-0.00128	-0.14133	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.14261	WERE	LAWRENCE ENERGY CENTER UNIT 4	1		60	-0.00242	-0.14019	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.14261	WERE	LAWRENCE ENERGY CENTER UNIT 5	1		241.0436	-0.00276	-0.13985	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.14261	WERE	TECUMSEH ENERGY CENTER UNIT 7	1		40	-0.00627	-0.13634	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.14261	WERE	TECUMSEH ENERGY CENTER UNIT 8	1		68.00001	-0.00627	-0.13634	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.14261	WERE	WACO	1		17.947	-0.00125	-0.14136	15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.14261	WERE	CITY OF WELLINGTON	6		19.5	-0.00093	-0.14168	15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.14261	WERE	CITY OF WELLINGTON	5		20	-0.00093	-0.14168	15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.14261	WERE	EVANS ENERGY CENTER UNIT 2	1		305	-0.0009	-0.14171	15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.14261	WERE	GILL ENERGY CENTER UNIT 4	1		77	-0.00128	-0.14133	15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.14261	WERE	LAWRENCE ENERGY CENTER UNIT 4	1		60	-0.00242	-0.14019	15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.14261	WERE	LAWRENCE ENERGY CENTER UNIT 5	1		241.0436	-0.00276	-0.13985	15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.14261	WERE	TECUMSEH ENERGY CENTER UNIT 7	1		40	-0.00627	-0.13634	15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.14261	WERE	TECUMSEH ENERGY CENTER UNIT 8	1		68.00001	-0.00627	-0.13634	15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.14261	WERE	WACO	1		17.947	-0.00125	-0.14136	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.12274	WERE	JEFFREY ENERGY CENTER UNIT 2	1		470	0.00965	-0.13239	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.12274	WERE	JEFFREY ENERGY CENTER UNIT 3	1		470	0.00965	-0.13239	16
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	CLAY CENTER JUNCTION	1		9999	-0.24165	-0.12446	17	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.12274	WERE	CHANUTE GENERATION SUB	14		33.041	-0.00027	-0.12247	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.12274	WERE	CITY OF ERIE	1		20	-0.00027	-0.12247	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.12274	WERE	CITY OF WELLINGTON	5		20	-0.00093	-0.12181	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.12274	WERE	CITY OF WELLINGTON	6		19.5	-0.00093	-0.12181	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.12274	WERE	EVANS ENERGY CENTER UNIT 2	1		305	-0.0009	-0.12184	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.12274	WERE	GILL ENERGY CENTER UNIT 4	1		77	-0.00128	-0.12146	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.12274	WERE	JEFFREY ENERGY CENTER UNIT 1	1		470	0.00085	-0.12359	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.12274	WERE	LAWRENCE ENERGY CENTER UNIT 4	1		60	-0.00242	-0.12032	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.12274	WERE	LAWRENCE ENERGY CENTER UNIT 5	1		241.0436	-0.00276	-0.11998	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.12274	WERE	WACO	1		17.947	-0.00125	-0.12149	17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.12274	WERE	TECUMSEH ENERGY CENTER UNIT 7	1		40	-0.00627	-0.11647	18

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

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

Upgrade: Wichita - Reno Co 345KV
 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: 57372573741568725687312206FA
 Date Redispatch Needed: 10/1/06 - 12/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1034311	3.4	10.2
1034363	1.6	10.2
1034420	1.1	10.2
1034424	1.9	10.2
1034476	0.1	10.2
1034489	0.1	10.2
1034628	0.7	10.2
1040115	1.4	10.2

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.65786	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.65786	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.65786	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.64581	16
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.65786	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.56905	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0217	-0.55566	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.02273	-0.55669	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0262	-0.56016	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0262	-0.56016	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.56905	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0217	-0.55566	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.02273	-0.55669	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0262	-0.56016	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0262	-0.56016	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.56905	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0217	-0.55566	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.02273	-0.55669	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0262	-0.56016	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0262	-0.56016	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.557	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.55842	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.55842	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.56905	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0217	-0.55566	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.02273	-0.55669	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0262	-0.56016	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0262	-0.56016	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	CHANUTE GENERATION SUB	14	26.96	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	CITY OF ERIE	1	19.971	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	CITY OF WELLINGTON	5	20	-0.00294	-0.53102	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00077	-0.53473	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00502	-0.52894	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00542	-0.52854	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	WACO	1	17.957	-0.00479	-0.52917	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	CHANUTE GENERATION SUB	14	26.96	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	CITY OF ERIE	1	19.971	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	CITY OF WELLINGTON	5	20	-0.00294	-0.53102	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00077	-0.53473	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00502	-0.52894	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00542	-0.52854	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	WACO	1	17.957	-0.00479	-0.52917	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	CHANUTE GENERATION SUB	14	26.96	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	CITY OF ERIE	1	19.971	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	CITY OF WELLINGTON	5	20	-0.00294	-0.53102	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00077	-0.53473	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00502	-0.52894	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00542	-0.52854	19

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

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	WACO	1	17.957	-0.00479	-0.52917	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0217	-0.54361	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.02273	-0.54464	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0262	-0.54811	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0262	-0.54811	19
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	CHANUTE GENERATION SUB	14	26.96	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	CITY OF ERIE	1	19.971	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	CITY OF WELLINGTON	5	20	-0.00294	-0.53102	19
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00077	-0.53473	19
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00502	-0.52894	19
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00542	-0.52854	19
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	WACO	1	17.957	-0.00479	-0.52917	19
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42289	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.54679	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42289	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.54679	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42289	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.54679	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42289	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.54679	19
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.4227	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.5466	19
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.4227	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.5466	19
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.4227	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.5466	19
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.42314	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.54704	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	CHANUTE GENERATION SUB	14	26.96	0.00311	-0.52502	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	CITY OF ERIE	1	19.971	0.00311	-0.52502	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	CITY OF WELLINGTON	5	20	-0.00294	-0.51897	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00077	-0.52268	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00502	-0.51689	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00542	-0.51649	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	WACO	1	17.957	-0.00479	-0.51712	20
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42289	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.45798	22
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42289	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42289	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42289	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.45798	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42289	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42289	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42289	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.45798	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42289	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42289	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42289	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.45798	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42289	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42289	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.4227	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.45779	22
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.4227	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.45921	22
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.4227	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.45921	22
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.4227	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.45779	22
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.4227	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.45921	22

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: Wichita - Reno Co 345KV
 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: 57372573741568725687312206SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1034311	9.3	32.1
1034363	5.9	32.1
1034407	6.2	32.1
1034420	2.8	32.1
1034424	5.4	32.1
1034476	0.3	32.1
1034489	0.3	32.1
1034628	2.0	32.1

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.56899	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.57017	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.57017	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.56899	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.57017	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.57017	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.56899	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.57017	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.57017	56
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.56899	56
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.57017	56
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.57017	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.55996	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.55996	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.55996	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.55996	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.55996	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.55996	57
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.55996	57
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.55996	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.55522	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.55622	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.55522	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.55622	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.55522	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.55622	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52147	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.55695	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52147	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.55813	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52147	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.55813	58
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.55522	58
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.55622	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52147	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.54318	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52147	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.54418	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52147	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.54792	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52147	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.54792	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	CHANUTE GENERATION SUB	14	33.658	0.00305	-0.53656	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	CITY OF ERIE	1	20	0.00305	-0.53656	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00065	-0.53416	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351	WERE	CHANUTE GENERATION SUB	14	33.658	0.00305	-0.53656	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351	WERE	CITY OF ERIE	1	20	0.00305	-0.53656	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00065	-0.53416	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	CHANUTE GENERATION SUB	14	33.658	0.00305	-0.53656	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	CITY OF ERIE	1	20	0.00305	-0.53656	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00065	-0.53416	60
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	CHANUTE GENERATION SUB	14	33.658	0.00305	-0.53656	60
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	CITY OF ERIE	1	20	0.00305	-0.53656	60
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00065	-0.53416	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00551	-0.528	61
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00551	-0.528	61
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00551	-0.528	61
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52147	WERE	CHANUTE GENERATION SUB	14	33.658	0.00305	-0.52452	61
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00551	-0.528	61
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52147	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00065	-0.52212	62
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52147	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00551	-0.51596	62
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.45795	70
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.45913	70

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

WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.45913	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.45795	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.45913	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.45913	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42247	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.45795	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42247	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.45913	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42247	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.45913	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42247	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.45795	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42247	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.45913	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42247	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.45913	70
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.42228	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.45776	70
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.42228	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.45894	70
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.42228	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.45894	70
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.45821	70
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.45939	70
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.45939	70
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.44418	72
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.44518	72
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.44418	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.44518	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42247	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.44418	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42247	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.44518	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42247	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42247	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42247	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.44418	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42247	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.44518	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42247	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42247	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.42228	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.44399	72
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.42228	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.44499	72
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.42228	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.44873	72
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.42228	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.44873	72
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.44444	72
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.44544	72
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.44918	72
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.44918	72
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273	WERE	CHANUTE GENERATION SUB	14	33.658	0.00305	-0.42578	75
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247	WERE	CHANUTE GENERATION SUB	14	33.658	0.00305	-0.42552	76
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00065	-0.42312	76
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247	WERE	CHANUTE GENERATION SUB	14	33.658	0.00305	-0.42552	76

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: Wichita - Reno Co 345KV
 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: 57372573741568725687312206WP
 Date Redispatch Needed: 12/1/06 - 4/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1022463	4.7	54.4
1034311	9.5	54.4
1034363	5.0	54.4
1034394	0.2	54.4
1034407	5.9	54.4
1034420	3.1	54.4
1034424	5.4	54.4
1034476	0.3	54.4
1034489	0.3	54.4
1034516	2.6	54.4
1034517	0.8	54.4
1034589	2.0	54.4
1034590	5.1	54.4
1034628	2.0	54.4
1036932	3.7	54.4
1040115	3.9	54.4

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.57046	95
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.57046	95
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.57046	95
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.57046	95
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.57046	95
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.57046	95
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.56903	96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.56903	96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.56903	96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52187	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.55842	97
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52187	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.55842	97
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53391	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.55667	98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53391	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.55667	98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53391	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.55667	98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52187	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.55699	98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52187	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.54463	100
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.45939	118
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.45939	118
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.45939	118
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.45939	118
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.45939	118
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.45939	118
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.45939	118
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.45939	118
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.4231	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.45965	118
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.4231	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.45965	118
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.45796	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.45796	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.45796	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.45796	119
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.4231	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.45822	119
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42284	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.4456	122
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42284	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.4456	122
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42284	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.4456	122
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42284	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.4456	122
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.4231	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.44586	122

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

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

Upgrade: Wichita - Reno Co 345KV
 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: 57372573741568725687312207FA
 Date Redispatch Needed: 10/1/07 - 12/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1032991	0.1	18.9
1032991	0.2	18.9
1032992	0.8	18.9
1032992	0.2	18.9
1034311	3.5	18.9
1034407	0.5	18.9
1034420	0.9	18.9
1034424	1.6	18.9
1034476	0.1	18.9
1034489	0.1	18.9
1034516	0.7	18.9
1034517	0.2	18.9
1034589	0.4	18.9
1034590	1.0	18.9
1034595	3.8	18.9
1034628	0.4	18.9
1036931	0.9	18.9
1036932	1.7	18.9
1040115	1.8	18.9

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51798	WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.60465	31
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51798	WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.60465	31
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.60465	31
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51798	WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.60465	31
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50482	WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.59149	32
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51798	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.54907	34
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51798	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.54907	34
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51798	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.54907	34
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51798	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.54907	34
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.54907	34
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.54907	34
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51798	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.54907	34
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51798	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.54907	34
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51798	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.54785	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51798	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.5372	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51798	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.54785	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51798	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.5372	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.54785	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.5372	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50482	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.53469	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50482	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.53591	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50482	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.53591	35
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51798	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.54785	35
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51798	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.5372	35
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51798	WERE	CHANUTE GENERATION SUB	14	42.721	0.00251	-0.52049	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51798	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00045	-0.51843	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51798	WERE	CHANUTE GENERATION SUB	14	42.721	0.00251	-0.52049	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51798	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00045	-0.51843	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	CHANUTE GENERATION SUB	14	42.721	0.00251	-0.52049	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00045	-0.51843	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50482	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.52404	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50482	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.52708	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50482	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.52708	36
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51798	WERE	CHANUTE GENERATION SUB	14	42.721	0.00251	-0.52049	36
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51798	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00045	-0.51843	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51798	WERE	WACO	1	17.946	-0.00431	-0.51367	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51798	WERE	WACO	1	17.946	-0.00431	-0.51367	37

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

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	WACO	1	17.946	-0.00431	-0.51367	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50482	WERE	CHANUTE GENERATION SUB	14	42.721	0.00251	-0.50733	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50482	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00045	-0.50527	37
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51798	WERE	WACO	1	17.946	-0.00431	-0.51367	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50482	WERE	WACO	1	17.946	-0.00431	-0.50051	38
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39947	WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.48614	39
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39947	WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.48614	39
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39947	WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.48614	39
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39947	WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.48614	39
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.39928	WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.48595	39
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.39928	WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.48595	39
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.39928	WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.48595	39
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.39974	WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.48641	39
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39947	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42934	44
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39947	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43056	44
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39947	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43056	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39947	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42934	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39947	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43056	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39947	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43056	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39947	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42934	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39947	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43056	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39947	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43056	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39947	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42934	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39947	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43056	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39947	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43056	44
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42915	44
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43037	44
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43037	44
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42915	44
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43037	44
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43037	44
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42915	44
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43037	44
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43037	44
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.39974	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42961	44
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.39974	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43083	44
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.39974	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43083	44
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39947	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.41869	45
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39947	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.42173	45
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39947	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.42173	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39947	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.41869	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39947	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.42173	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39947	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.42173	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39947	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.41869	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39947	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.42173	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39947	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.42173	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39947	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.41869	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39947	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.42173	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39947	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.42173	45
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.39928	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.4185	45
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.39928	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.42154	45
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.39928	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.42154	45
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.39928	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.4185	45
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.39928	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.42154	45
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.39928	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.42154	45

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: Wichita - Reno Co 345KV
 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: 57372573741568725687312207SH
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1032956	0.2	28.9
1032994	1.0	28.9
1034311	4.7	28.9
1034363	1.6	28.9
1034394	0.1	28.9
1034407	1.8	28.9
1034420	1.3	28.9
1034424	2.2	28.9
1034476	0.1	28.9
1034489	0.1	28.9
1034516	1.1	28.9
1034517	0.3	28.9
1034589	0.8	28.9
1034590	2.0	28.9
1034595	5.1	28.9
1034628	0.8	28.9
1036931	1.0	28.9
1036932	2.2	28.9
1040115	2.3	28.9

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.60466	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.60466	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.60466	48
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.60466	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.5915	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.54787	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.54909	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.54909	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0223	-0.54026	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0223	-0.54026	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.54787	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.54909	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.54909	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0223	-0.54026	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0223	-0.54026	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.54787	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.54909	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.54909	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0223	-0.54026	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0223	-0.54026	53
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.54787	53
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.54909	53
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.54909	53
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0223	-0.54026	53
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0223	-0.54026	53
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01834	-0.5363	54
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.01926	-0.53722	54
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01834	-0.5363	54
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.01926	-0.53722	54
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01834	-0.5363	54
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.01926	-0.53722	54
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.53471	54
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.53593	54
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.53593	54
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01834	-0.5363	54
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.01926	-0.53722	54
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	CHANUTE GENERATION SUB	14	33.041	0.00255	-0.52051	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	CITY OF ERIE	1	20	0.00255	-0.52051	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	CHANUTE GENERATION SUB	14	33.041	0.00255	-0.52051	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	CITY OF ERIE	1	20	0.00255	-0.52051	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	CHANUTE GENERATION SUB	14	33.041	0.00255	-0.52051	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	CITY OF ERIE	1	20	0.00255	-0.52051	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01834	-0.52314	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.01926	-0.52406	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0223	-0.5271	55

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0223	-0.5271	55
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	CHANUTE GENERATION SUB	14	33.041	0.00255	-0.52051	55
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	CITY OF ERIE	1	20	0.00255	-0.52051	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	CITY OF WELLINGTON	6	19.5	-0.00254	-0.51542	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	CITY OF WELLINGTON	5	20	-0.00254	-0.51542	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0005	-0.51846	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00478	-0.51318	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	CITY OF WELLINGTON	6	19.5	-0.00254	-0.51542	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	CITY OF WELLINGTON	5	20	-0.00254	-0.51542	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0005	-0.51846	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00478	-0.51318	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	CITY OF WELLINGTON	5	20	-0.00254	-0.51542	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	CITY OF WELLINGTON	6	19.5	-0.00254	-0.51542	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0005	-0.51846	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00478	-0.51318	56
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	CITY OF WELLINGTON	6	19.5	-0.00254	-0.51542	56
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	CITY OF WELLINGTON	5	20	-0.00254	-0.51542	56
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0005	-0.51846	56
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00478	-0.51318	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	CHANUTE GENERATION SUB	14	33.041	0.00255	-0.50735	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	CITY OF ERIE	1	20	0.00255	-0.50735	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	CITY OF WELLINGTON	5	20	-0.00254	-0.50226	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	CITY OF WELLINGTON	6	19.5	-0.00254	-0.50226	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0005	-0.5053	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00478	-0.50002	58
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39945	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.48615	59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39945	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.48615	59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39945	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.48615	59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39945	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.48615	59
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.39926	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.48596	59
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.39972	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.48642	59
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.42936	67
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.43058	67
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.43058	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.42936	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.43058	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.43058	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.42936	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.43058	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.43058	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.42936	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.43058	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.43058	67
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.39926	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.42917	67
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.39926	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.43039	67
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.39926	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.43039	67
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.39972	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.42963	67
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.39972	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.43085	67
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.39972	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.43085	67
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39945	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0223	-0.42175	68
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39945	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0223	-0.42175	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39945	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0223	-0.42175	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39945	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0223	-0.42175	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39945	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0223	-0.42175	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39945	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0223	-0.42175	68

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

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

Upgrade: Wichita - Reno Co 345KV
 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: 57372573741568725687312208WP
 Date Redispatch Needed: 12/1/2008 - 4/1/2009

Reservation	Relief Amount	Aggregate Relief Amount
1032991	0.2	40.2
1032991	0.3	40.2
1032992	1.4	40.2
1032992	0.3	40.2
1032994	0.8	40.2
1034311	5.5	40.2
1034363	1.5	40.2
1034407	2.0	40.2
1034420	1.5	40.2
1034424	2.6	40.2
1034443	5.4	40.2
1034476	0.2	40.2
1034489	0.2	40.2
1034516	1.1	40.2
1034517	0.3	40.2
1034589	0.9	40.2
1034590	2.3	40.2
1034595	5.9	40.2
1034628	0.9	40.2
1036931	1.4	40.2
1036932	2.7	40.2
1040115	2.9	40.2

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51783	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.60451	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51783	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.60451	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51783	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.60451	66
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51783	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.60451	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50466	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.59134	68
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.54768	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.54893	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.54893	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.54768	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.54893	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.54893	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.54768	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.54893	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.54893	73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.54768	73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.54893	73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.54893	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51783	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.53708	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51783	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.53708	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51783	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.53708	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50466	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.53451	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50466	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.53576	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50466	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.53576	75
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51783	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.53708	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50466	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.52391	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51783	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.51828	78
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51783	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.51828	78
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51783	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.51828	78
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51783	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.51828	78
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50466	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.50511	80
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.39931	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.48599	83
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39931	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.48599	83
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39931	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.48599	83
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39931	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.48599	83
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.39892	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.4856	83
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39957	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.48625	83
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.43041	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.43041	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.43041	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.43041	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.43041	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.43041	93

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.43041	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.43041	93
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.39892	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.43002	93
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.39892	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.43002	93
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39957	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.43067	93
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39957	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.43067	93
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.42916	94
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.42916	94
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.42916	94
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.42916	94
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39957	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.42942	94
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39931	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.41856	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39931	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.41856	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39931	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.41856	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39931	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.41856	96
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39957	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.41882	96
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39957	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.40002	100
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39931	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.39976	101
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39931	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.39976	101
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39931	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.39976	101
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39931	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.39976	101
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.00045	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.08623	466

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

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

Upgrade: Wichita - Reno Co 345KV
 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: 57372573741568725687313211WP
 Date Redispatch Needed: 12/1/2011 - 4/1/2012

Reservation	Relief Amount	Aggregate Relief Amount
1022468	4.7	103.1
1032991	0.5	103.1
1032991	0.7	103.1
1032992	1.8	103.1
1032992	2.4	103.1
1032994	1.7	103.1
1032994	1.7	103.1
1034311	9.3	103.1
1034363	5.3	103.1
1034407	5.5	103.1
1034420	2.8	103.1
1034424	4.6	103.1
1034443	9.5	103.1
1034444	9.5	103.1
1034476	0.4	103.1
1034489	0.4	103.1
1034516	1.9	103.1
1034517	0.6	103.1
1034589	2.0	103.1
1034590	5.0	103.1
1034595	10.1	103.1
1034625	9.2	103.1
1034628	2.0	103.1
1036931	2.1	103.1
1036932	4.4	103.1
1040115	4.7	103.1

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50456	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.59126	174
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50456	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02984	-0.5344	193
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50456	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.53566	193
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50456	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.53566	193
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50456	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.01922	-0.52378	197
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50456	WERE	EVANS ENERGY CENTER UNIT 2	1	102.3201	0.00049	-0.50505	204
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39919	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.48589	212
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39945	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.48615	212
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02984	-0.42929	240
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.43055	240
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.43055	240
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39945	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.01922	-0.41867	246
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39945	WERE	EVANS ENERGY CENTER UNIT 2	1	102.3201	0.00049	-0.39994	258

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574381568725687312206FA
 Date Redispatch Needed: 10/1/06 - 12/1/06

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
1034311	3.4	10.1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762	-0.30593	33
1034363	1.6	10.1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762	-0.30593	33
1034420	1.1	10.1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762	-0.30593	33
1034424	1.9	10.1	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762	-0.30593	33
1034628	0.7	10.1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762	-0.30033	34
1040115	1.4	10.1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.26463	38
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.26529	38
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.26529	38
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.26463	38
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.26529	38
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.26529	38
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.26463	38
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.26529	38
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.26529	38
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.26463	38
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.26529	38
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.26529	38
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01009	-0.2584	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01057	-0.25888	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01218	-0.26049	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01218	-0.26049	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01009	-0.2584	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01057	-0.25888	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01218	-0.26049	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01218	-0.26049	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01009	-0.2584	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01057	-0.25888	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01218	-0.26049	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01218	-0.26049	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.25903	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.25969	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.25969	39
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01009	-0.2584	39
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01057	-0.25888	39
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01218	-0.26049	39
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01218	-0.26049	39
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	CHANUTE GENERATION SUB	14	26.96	0.00144	-0.24975	40
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	CITY OF ERIE	1	19.971	0.00144	-0.24975	40
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	CHANUTE GENERATION SUB	14	26.96	0.00144	-0.24975	40
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	CITY OF ERIE	1	19.971	0.00144	-0.24975	40
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	CHANUTE GENERATION SUB	14	26.96	0.00144	-0.24975	40
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	CITY OF ERIE	1	19.971	0.00144	-0.24975	40
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01009	-0.2528	40
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01057	-0.25328	40
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01218	-0.25489	40
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01218	-0.25489	40
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	CHANUTE GENERATION SUB	14	26.96	0.00144	-0.24975	40
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	CITY OF ERIE	1	19.971	0.00144	-0.24975	40
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.19666	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762	-0.25428	40
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19666	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762	-0.25428	40
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19666	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762	-0.25428	40
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19666	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762	-0.25428	40
			WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.19657	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762	-0.25419	40
			WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.19657	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762	-0.25419	40
			WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.19657	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762	-0.25419	40
			WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.19677	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762	-0.25439	40
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	CITY OF WELLINGTON	5	20	-0.00137	-0.24694	41
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00036	-0.24867	41

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00234	-0.24597	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00252	-0.24579	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	WACO	1	17.957	-0.00223	-0.24608	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	CITY OF WELLINGTON	5	20	-0.00137	-0.24694	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00036	-0.24867	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00234	-0.24597	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00252	-0.24579	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	WACO	1	17.957	-0.00223	-0.24608	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	CITY OF WELLINGTON	5	20	-0.00137	-0.24694	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00036	-0.24867	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00234	-0.24597	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00252	-0.24579	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	WACO	1	17.957	-0.00223	-0.24608	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	CHANUTE GENERATION SUB	14	26.96	0.00144	-0.24415	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	CITY OF ERIE	1	19.971	0.00144	-0.24415	41
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	CITY OF WELLINGTON	5	20	-0.00137	-0.24694	41
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00036	-0.24867	41
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00234	-0.24597	41
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00252	-0.24579	41
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	WACO	1	17.957	-0.00223	-0.24608	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	CITY OF WELLINGTON	5	20	-0.00137	-0.24134	42
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00036	-0.24307	42
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00234	-0.24037	42
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00252	-0.24019	42
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	WACO	1	17.957	-0.00223	-0.24048	42
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.21298	47
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.21298	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.21298	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.21298	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.19657	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.21289	47
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.19657	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.21355	47
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.19657	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.21355	47
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.19657	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.21289	47
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.19657	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.21355	47

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574381568725687312206WP
 Date Redispatch Needed: 12/1/06 - 4/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1034311	4.4	21.2
1034363	2.3	21.2
1034407	2.8	21.2
1034420	1.4	21.2
1034424	2.5	21.2
1034589	0.9	21.2
1034590	2.4	21.2
1034628	0.9	21.2
1036932	1.7	21.2
1040115	1.8	21.2

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.26462	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.26529	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.26529	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.26462	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.26529	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.26529	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.26462	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.26529	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.26529	80
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.26462	80
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.26529	80
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.26529	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24269	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.25969	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24269	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.25969	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24829	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.25888	82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24829	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.25888	82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24829	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.25888	82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24269	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.25902	82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24269	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.25328	84
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.21296	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.21363	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.21363	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.21296	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.21363	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.21363	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.21296	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.21363	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.21363	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.21296	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.21363	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.21363	99
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.19675	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.21308	99
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.19675	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.21375	99
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.19675	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.21375	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19663	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.20722	102
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19663	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.20722	102
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19663	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.20722	102
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19663	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.20722	102
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.19675	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.20734	102

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574381568725687312207FA
 Date Redispatch Needed: 10/1/07 - 12/1/07

Reservation	Relief Amount	Aggregate Relief Amount												
1032991	0.1	13.5												
1032991	0.2	13.5												
1032992	0.7	13.5												
1034311	3.1	13.5												
1034424	1.4	13.5												
1034589	0.4	13.5												
1034590	0.9	13.5												
1034595	3.3	13.5												
1034628	0.4	13.5												
1036932	1.5	13.5												
1040115	1.6	13.5												
Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24088	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.28119	48			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24088	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.28119	48			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24088	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.28119	48			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24088	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.28119	48			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23476	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.27507	49			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24088	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01389	-0.25477	53			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24088	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.25534	53			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24088	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.25534	53			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24088	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01389	-0.25477	53			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24088	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.25534	53			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24088	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.25534	53			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24088	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01389	-0.25477	53			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24088	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.25534	53			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24088	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.25534	53			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24088	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01389	-0.25477	53			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24088	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.25534	53			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24088	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.25534	53			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24088	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00894	-0.24982	54			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24088	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01035	-0.25123	54			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24088	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01035	-0.25123	54			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24088	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00894	-0.24982	54			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24088	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01035	-0.25123	54			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24088	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01035	-0.25123	54			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24088	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00894	-0.24982	54			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24088	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01035	-0.25123	54			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24088	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01035	-0.25123	54			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23476	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01389	-0.24865	54			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23476	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.24922	54			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23476	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.24922	54			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24088	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00894	-0.24982	54			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24088	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01035	-0.25123	54			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24088	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01035	-0.25123	54			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23476	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01035	-0.24511	55			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23476	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01035	-0.24511	55			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24088	WERE	CHANUTE GENERATION SUB	14	42.721	0.00117	-0.24205	56			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24088	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00021	-0.24109	56			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24088	WERE	CHANUTE GENERATION SUB	14	42.721	0.00117	-0.24205	56			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24088	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00021	-0.24109	56			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24088	WERE	CHANUTE GENERATION SUB	14	42.721	0.00117	-0.24205	56			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24088	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00021	-0.24109	56			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23476	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00894	-0.2437	56			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24088	WERE	CHANUTE GENERATION SUB	14	42.721	0.00117	-0.24205	56			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24088	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00021	-0.24109	56			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23476	WERE	CHANUTE GENERATION SUB	14	42.721	0.00117	-0.23593	57			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23476	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00021	-0.23497	58			
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18577	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.22608	60			
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.18577	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.22608	60			
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.18577	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.22608	60			
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.18577	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.22608	60			
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.18568	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.22599	60			
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.18589	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.2262	60			
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18577	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01389	-0.19966	68			
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18577	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20023	68			

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18577	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20023	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18577	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01389	-0.19966	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18577	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20023	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18577	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20023	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18577	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01389	-0.19966	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18577	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20023	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18577	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20023	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18577	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01389	-0.19966	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18577	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20023	68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18577	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20023	68
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.18568	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01389	-0.19957	68
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.18568	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20014	68
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.18568	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20014	68
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.18589	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01389	-0.19978	68
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.18589	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20035	68
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.18589	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20035	68
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18577	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01035	-0.19612	69
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18577	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01035	-0.19612	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18577	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01035	-0.19612	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18577	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01035	-0.19612	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18577	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01035	-0.19612	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18577	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01035	-0.19612	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18577	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01035	-0.19612	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18577	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01035	-0.19612	69
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.18568	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01035	-0.19603	69
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.18568	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01035	-0.19603	69
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.18589	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01035	-0.19624	69
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.18589	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01035	-0.19624	69
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18577	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00894	-0.19471	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18577	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00894	-0.19471	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18577	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00894	-0.19471	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18577	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00894	-0.19471	70
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.18568	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00894	-0.19462	70
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.18589	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00894	-0.19483	70
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18577	WERE	CHANUTE GENERATION SUB	14	42.721	0.00117	-0.18694	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18577	WERE	CHANUTE GENERATION SUB	14	42.721	0.00117	-0.18694	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18577	WERE	CHANUTE GENERATION SUB	14	42.721	0.00117	-0.18694	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18577	WERE	CHANUTE GENERATION SUB	14	42.721	0.00117	-0.18694	72
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.18568	WERE	CHANUTE GENERATION SUB	14	42.721	0.00117	-0.18685	72
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.18589	WERE	CHANUTE GENERATION SUB	14	42.721	0.00117	-0.18706	72
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18577	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00021	-0.18598	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18577	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00021	-0.18598	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18577	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00021	-0.18598	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18577	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00021	-0.18598	73
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.18568	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00021	-0.18589	73
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.18589	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00021	-0.1861	73
WERE	GILL ENERGY CENTER UNIT 4	1	106	-0.00225	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.04256	318

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574381568725687312207SH
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1034311	3.8	18.6
1034407	1.4	18.6
1034420	1.0	18.6
1034424	1.8	18.6
1034589	0.6	18.6
1034590	1.6	18.6
1034595	4.1	18.6
1034628	0.6	18.6
1036932	1.8	18.6
1040115	1.9	18.6

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24087	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.28119	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24087	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.28119	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24087	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.28119	66
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24087	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.28119	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23475	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.27507	68
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24087	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.25478	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24087	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448	-0.25535	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24087	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	-0.25535	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24087	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.25478	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24087	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448	-0.25535	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24087	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	-0.25535	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24087	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.25478	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24087	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448	-0.25535	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24087	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	-0.25535	73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24087	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.25478	73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24087	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448	-0.25535	73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24087	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	-0.25535	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24087	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.25124	74
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24087	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01037	-0.25124	74
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24087	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.25124	74
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24087	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01037	-0.25124	74
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24087	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.25124	74
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24087	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01037	-0.25124	74
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24087	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.25124	74
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24087	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01037	-0.25124	74
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24087	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.2494	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24087	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.24983	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24087	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.2494	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24087	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.24983	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24087	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.2494	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24087	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.24983	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23475	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.24866	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23475	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448	-0.24923	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23475	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	-0.24923	75
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24087	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.2494	75
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24087	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.24983	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23475	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.24512	76
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23475	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01037	-0.24512	76
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24087	WERE	CHANUTE GENERATION SUB	14	33.041	0.00119	-0.24206	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24087	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00023	-0.2411	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24087	WERE	CHANUTE GENERATION SUB	14	33.041	0.00119	-0.24206	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24087	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00023	-0.2411	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24087	WERE	CHANUTE GENERATION SUB	14	33.041	0.00119	-0.24206	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24087	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00023	-0.2411	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23475	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.24328	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23475	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.24371	77
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24087	WERE	CHANUTE GENERATION SUB	14	33.041	0.00119	-0.24206	77
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24087	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00023	-0.2411	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24087	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00222	-0.23865	78
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24087	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00222	-0.23865	78
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24087	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00222	-0.23865	78
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24087	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00222	-0.23865	78
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23475	WERE	CHANUTE GENERATION SUB	14	33.041	0.00119	-0.23594	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23475	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00023	-0.23498	79

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23475	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00222	-0.23253	80
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18576	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.22608	82
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18576	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.22608	82
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18576	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.22608	82
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18576	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.22608	82
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.18588	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.2262	82
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.18567	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.22599	83
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.19967	93
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448	-0.20024	93
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	-0.20024	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.19967	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448	-0.20024	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	-0.20024	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.19967	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448	-0.20024	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	-0.20024	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.19967	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448	-0.20024	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	-0.20024	93
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.18567	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.19958	93
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.18567	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448	-0.20015	93
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.18567	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	-0.20015	93
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.18588	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.19979	93
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.18588	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448	-0.20036	93
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.18588	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	-0.20036	93
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18576	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18576	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18576	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18576	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18576	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18576	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18576	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18576	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.18588	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.19625	95
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.18588	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01037	-0.19625	95
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18576	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.19429	96
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18576	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.19472	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18576	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.19429	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18576	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.19472	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18576	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.19429	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18576	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.19472	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18576	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.19429	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18576	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.19472	96
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.18588	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.19441	96
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.18588	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.19484	96
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18576	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00023	-0.18599	100

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574381568725687312208WP
 Date Redispatch Needed: 12/1/2008 - 4/1/2009

Reservation	Relief Amount	Aggregate Relief Amount												
1032991	0.2	23.9												
1032991	0.2	23.9												
1032992	1.2	23.9												
1034311	4.5	23.9												
1034407	1.6	23.9												
1034420	1.2	23.9												
1034424	2.1	23.9												
1034589	0.7	23.9												
1034590	1.9	23.9												
1034595	4.9	23.9												
1034628	0.7	23.9												
1036932	2.2	23.9												
1040115	2.4	23.9												
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24081	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.28112	85			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24081	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.28112	85			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24081	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.28112	85			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23468	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.27499	87			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24081	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.25469	94			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24081	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.25527	94			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24081	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.25527	94			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24081	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.25469	94			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24081	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.25527	94			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24081	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.25527	94			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24081	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.25469	94			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24081	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.25527	94			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24081	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.25527	94			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24081	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895	-0.24976	96			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24081	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895	-0.24976	96			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24081	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895	-0.24976	96			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23468	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.24856	96			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23468	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.24914	96			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23468	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.24914	96			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23468	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895	-0.24363	98			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24081	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.24102	99			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24081	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.24102	99			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24081	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.24102	99			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23468	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.23489	102			
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18569	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.226	106			
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18569	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.226	106			
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18569	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.226	106			
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18569	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.226	106			
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18581	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.22612	106			

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

WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18581	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20027	119
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18581	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20027	119
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.19957	120
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.19957	120
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.19957	120
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.19957	120
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18581	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.19969	120
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18569	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895	-0.19464	123
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18569	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895	-0.19464	123
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18569	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895	-0.19464	123
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18569	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895	-0.19464	123
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18581	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895	-0.19476	123
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18581	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.18602	128
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18569	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.1859	129
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18569	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.1859	129
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18569	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.1859	129
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18569	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.1859	129
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.00021	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.0401	596

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574381568725687312211WP
 Date Redispatch Needed: 12/1/2011 - 4/1/2012

Reservation	Relief Amount	Aggregate Relief Amount
1032991	0.2	32.8
1032991	0.3	32.8
1032992	0.9	32.8
1032992	1.1	32.8
1034311	4.3	32.8
1034363	2.6	32.8
1034407	2.6	32.8
1034420	1.3	32.8
1034424	2.2	32.8
1034589	0.9	32.8
1034590	2.3	32.8
1034595	4.7	32.8
1034625	4.3	32.8
1034628	0.9	32.8
1036932	2.0	32.8
1040115	2.2	32.8

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24076	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.28108	117
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24076	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.28108	117
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24076	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.28108	117
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23464	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.27496	119
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24076	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.25522	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24076	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.25522	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24076	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.25522	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24076	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.25522	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24076	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.25522	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24076	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.25522	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24076	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.25464	129
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24076	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.25464	129
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24076	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.25464	129
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24076	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00894	-0.2497	131
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24076	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00894	-0.2497	131
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24076	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00894	-0.2497	131
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23464	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.24852	132
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23464	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.2491	132
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23464	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.2491	132
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23464	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00894	-0.24358	135
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24076	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00023	-0.24099	136
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24076	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00023	-0.24099	136
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24076	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00023	-0.24099	136
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23464	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00023	-0.23487	140
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.18564	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.22596	145
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18564	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.22596	145
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18564	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.22596	145
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18564	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.22596	145
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18576	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.22608	145
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.18564	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.19952	164
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.18564	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.2001	164
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.18564	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.2001	164
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.19964	164
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20022	164
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20022	164
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.18564	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00894	-0.19458	168
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18576	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00894	-0.1947	168
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.00023	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.04009	817

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574381568725687314306SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount															
1034311		4.3															15.6
1034363		3.1															15.6
1034407		3.1															15.6
1034420		1.4															15.6
1034424		2.5															15.6
1034628		1.0															15.6
Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.30664	51						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.30664	51						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2481	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.30664	51						
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2481	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.30664	51						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.2425	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.30104	52						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.2646	59						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.26515	59						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.26515	59						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.2646	59						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.26515	59						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.26515	59						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2481	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.2646	59						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2481	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.26515	59						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2481	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.26515	59						
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2481	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.2646	59						
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2481	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.26515	59						
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2481	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.26515	59						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.2582	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.25866	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.2604	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.2604	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.2582	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.25866	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.2604	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.2604	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2481	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.2582	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2481	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.25866	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2481	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.2604	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2481	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.2604	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.2425	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.259	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.2425	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.25955	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.2425	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.25955	60						
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2481	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.2582	60						
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2481	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.25866	60						
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2481	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.2604	60						
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2481	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.2604	60						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.2425	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.25306	61						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.2425	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.2548	61						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.2425	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.2548	61						
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.19646	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.255	61						
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19646	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.255	61						
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19646	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.255	61						
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19646	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.255	61						
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.19637	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.25491	61						
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.19658	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.25512	61						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	CHANUTE GENERATION SUB	14	33.658	0.00142	-0.24952	62						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	CHANUTE GENERATION SUB	14	33.658	0.00142	-0.24952	62						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2481	WERE	CHANUTE GENERATION SUB	14	33.658	0.00142	-0.24952	62						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.2425	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.2526	62						
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2481	WERE	CHANUTE GENERATION SUB	14	33.658	0.00142	-0.24952	62						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0003	-0.2484	63						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00238	-0.24572	63						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.24554	63						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0003	-0.2484	63						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00238	-0.24572	63						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.24554	63						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2481	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0003	-0.2484	63						
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2481	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00238	-0.24572	63						

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2481	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.24554	63
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2481	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0003	-0.2484	63
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2481	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00238	-0.24572	63
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2481	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.24554	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.2425	WERE	CHANUTE GENERATION SUB	14	33.658	0.00142	-0.24392	64
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.2425	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0003	-0.2428	64
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.2425	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00238	-0.24012	65
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.2425	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.23994	65
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.21296	73
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.21296	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.21296	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.21296	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.19637	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.21287	73
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.19637	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.21342	73
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.19637	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.21342	73
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.19658	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.21308	73
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.19658	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.21363	73
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.19658	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.21363	73
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19646	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19646	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19646	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19646	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19646	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19646	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19646	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19646	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.19658	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.20888	74
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.19658	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.20888	74
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19646	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.20656	75
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19646	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.20702	75
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19646	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.20656	75
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19646	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.20702	75
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19646	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.20656	75
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19646	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.20702	75

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574382568725687312206FA
 Date Redispatch Needed: 10/1/06 - 12/1/06

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
1034311	0.1	0.2	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06628	-0.35193	1
1034363	0.0	0.2	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	CHANUTE GENERATION SUB	14	26.96	0.00166	-0.28731	1
1034420	0.0	0.2	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	CITY OF ERIE	1	19.971	0.00166	-0.28731	1
1034424	0.0	0.2	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	CITY OF WELLINGTON	5	20	-0.00157	-0.28408	1
1034628	0.0	0.2	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00041	-0.28606	1
1040115	0.0	0.2	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00269	-0.28296	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.0029	-0.28275	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01877	-0.30442	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01953	-0.30518	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01953	-0.30518	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.29726	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01216	-0.29781	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01402	-0.29967	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01402	-0.29967	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28565	WERE	WACO	1	17.957	-0.00256	-0.28309	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06628	-0.35193	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	CHANUTE GENERATION SUB	14	26.96	0.00166	-0.28731	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	CITY OF ERIE	1	19.971	0.00166	-0.28731	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	CITY OF WELLINGTON	5	20	-0.00157	-0.28408	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00041	-0.28606	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00269	-0.28296	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.0029	-0.28275	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01877	-0.30442	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01953	-0.30518	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01953	-0.30518	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.29726	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01216	-0.29781	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01402	-0.29967	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01402	-0.29967	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28565	WERE	WACO	1	17.957	-0.00256	-0.28309	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06628	-0.35193	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	CHANUTE GENERATION SUB	14	26.96	0.00166	-0.28731	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	CITY OF ERIE	1	19.971	0.00166	-0.28731	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	CITY OF WELLINGTON	5	20	-0.00157	-0.28408	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00041	-0.28606	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00269	-0.28296	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.0029	-0.28275	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01877	-0.30442	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01953	-0.30518	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01953	-0.30518	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.29726	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01216	-0.29781	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01402	-0.29967	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01402	-0.29967	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28565	WERE	WACO	1	17.957	-0.00256	-0.28309	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06628	-0.34549	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	CHANUTE GENERATION SUB	14	26.96	0.00166	-0.28087	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	CITY OF ERIE	1	19.971	0.00166	-0.28087	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	CITY OF WELLINGTON	5	20	-0.00157	-0.27764	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00041	-0.27962	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00269	-0.27652	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.0029	-0.27631	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01877	-0.29798	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01953	-0.29874	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01953	-0.29874	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.29082	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01216	-0.29137	1
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01402	-0.29323	1

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01402	-0.29323	1
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27921	WERE	WACO	1	17.957	-0.00256	-0.27665	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06628	-0.35193	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	CHANUTE GENERATION SUB	14	26.96	0.00166	-0.28731	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	CITY OF ERIE	1	19.971	0.00166	-0.28731	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	CITY OF WELLINGTON	5	20	-0.00157	-0.28408	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00041	-0.28606	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00269	-0.28296	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.0029	-0.28275	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01877	-0.30442	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01953	-0.30518	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01953	-0.30518	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.29726	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01216	-0.29781	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01402	-0.29967	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01402	-0.29967	1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28565	WERE	WACO	1	17.957	-0.00256	-0.28309	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06628	-0.29251	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	CHANUTE GENERATION SUB	14	26.96	0.00166	-0.22789	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	CITY OF ERIE	1	19.971	0.00166	-0.22789	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	CITY OF WELLINGTON	5	20	-0.00157	-0.22466	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00041	-0.22664	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00269	-0.22354	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.0029	-0.22333	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01877	-0.245	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01953	-0.24576	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01953	-0.24576	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.23784	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01216	-0.23839	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01402	-0.24025	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01402	-0.24025	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22623	WERE	WACO	1	17.957	-0.00256	-0.22367	1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22623	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06628	-0.29251	1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22623	WERE	CHANUTE GENERATION SUB	14	26.96	0.00166	-0.22789	1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22623	WERE	CITY OF ERIE	1	19.971	0.00166	-0.22789	1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22623	WERE	CITY OF WELLINGTON	5	20	-0.00157	-0.22466	1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22623	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00041	-0.22664	1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22623	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00269	-0.22354	1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22623	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.0029	-0.22333	1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22623	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01877	-0.245	1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22623	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01953	-0.24576	1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22623	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01953	-0.24576	1

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574382568725687312206SH
 Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation	Relief Amount	Aggregate Relief Amount
1034311	5.0	16.9
1034363	3.2	16.9
1034407	3.3	16.9
1034420	1.5	16.9
1034424	2.9	16.9
1034628	1.1	16.9

Source Control Area	Source	Source Id	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.30439	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.29956	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.29956	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.30439	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.29956	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.29956	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.30439	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28541	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.29956	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28541	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.29956	56
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.30439	56
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28541	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.29956	56
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28541	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.29956	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.29702	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.29756	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.29702	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.29756	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28541	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.29702	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28541	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.29756	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27897	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.29795	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27897	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.29858	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27897	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.29858	57
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28541	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.29702	57
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28541	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.29756	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27897	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.29058	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27897	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.29112	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27897	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.29312	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27897	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.29312	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	CHANUTE GENERATION SUB	14	33.658	0.00163	-0.28704	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	CITY OF ERIE	1	20	0.00163	-0.28704	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00035	-0.28576	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	CHANUTE GENERATION SUB	14	33.658	0.00163	-0.28704	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	CITY OF ERIE	1	20	0.00163	-0.28704	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00035	-0.28576	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28541	WERE	CHANUTE GENERATION SUB	14	33.658	0.00163	-0.28704	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28541	WERE	CITY OF ERIE	1	20	0.00163	-0.28704	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28541	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00035	-0.28576	59
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28541	WERE	CHANUTE GENERATION SUB	14	33.658	0.00163	-0.28704	59
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28541	WERE	CITY OF ERIE	1	20	0.00163	-0.28704	59
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28541	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00035	-0.28576	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	CITY OF WELLINGTON	5	20	-0.00162	-0.28379	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00295	-0.28246	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	CITY OF WELLINGTON	5	20	-0.00162	-0.28379	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00295	-0.28246	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28541	WERE	CITY OF WELLINGTON	5	20	-0.00162	-0.28379	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28541	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00295	-0.28246	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27897	WERE	CHANUTE GENERATION SUB	14	33.658	0.00163	-0.2806	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27897	WERE	CITY OF ERIE	1	20	0.00163	-0.2806	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27897	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00035	-0.27932	60
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28541	WERE	CITY OF WELLINGTON	5	20	-0.00162	-0.28379	60
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28541	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00295	-0.28246	60

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

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27897	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00295	-0.27602	61
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22601	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.24499	69
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22601	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22601	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22601	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.24499	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22601	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22601	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22601	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.24499	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22601	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22601	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22601	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.24499	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22601	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22601	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22591	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.24489	69
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22591	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.24552	69
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22591	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.24552	69
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22615	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.24513	69
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22615	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.24576	69
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22615	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.24576	69
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22591	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.24006	70
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22591	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.24006	70
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22615	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.24003	70
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22615	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.24003	70
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.23762	71
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.23816	71
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.23762	71
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.23816	71
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.23762	71
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.23816	71
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.23762	71
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.23816	71
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22591	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.23752	71
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22591	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.23806	71
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22615	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.23776	71

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574382568725687312207FA
 Date Redispatch Needed: 10/1/07 - 12/1/07

Reservation	Relief Amount	Aggregate Relief Amount											
1032991	0.0	4.2											
1032991	0.0	4.2											
1032992	0.2	4.2											
1034311	0.9	4.2											
1034420	0.2	4.2											
1034424	0.4	4.2											
1034589	0.1	4.2											
1034590	0.3	4.2											
1034595	1.0	4.2											
1034628	0.1	4.2											
1036932	0.4	4.2											
1040115	0.5	4.2											
Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2771	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32347	13		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2771	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32347	13		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2771	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32347	13		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27006	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.31643	13		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2771	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32347	13		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.29308	14		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.29373	14		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.29373	14		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.29308	14		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.29373	14		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.29373	14		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.29308	14		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.29373	14		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.29373	14		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.29308	14		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.29373	14		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.29373	14		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2771	WERE	CHANUTE GENERATION SUB	14	42.721	0.00134	-0.27844	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2771	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00024	-0.27734	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2771	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01028	-0.28738	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2771	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01191	-0.28901	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2771	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01191	-0.28901	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2771	WERE	WACO	1	17.946	-0.0023	-0.2748	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2771	WERE	CHANUTE GENERATION SUB	14	42.721	0.00134	-0.27844	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2771	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00024	-0.27734	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2771	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01028	-0.28738	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2771	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01191	-0.28901	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2771	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01191	-0.28901	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2771	WERE	WACO	1	17.946	-0.0023	-0.2748	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2771	WERE	CHANUTE GENERATION SUB	14	42.721	0.00134	-0.27844	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2771	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00024	-0.27734	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2771	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01028	-0.28738	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2771	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01191	-0.28901	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2771	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01191	-0.28901	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2771	WERE	WACO	1	17.946	-0.0023	-0.2748	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27006	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.28604	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27006	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.28669	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27006	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.28669	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27006	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01028	-0.28034	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27006	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01191	-0.28197	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27006	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01191	-0.28197	15		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2771	WERE	CHANUTE GENERATION SUB	14	42.721	0.00134	-0.27844	15		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2771	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00024	-0.27734	15		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2771	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01028	-0.28738	15		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2771	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01191	-0.28901	15		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2771	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01191	-0.28901	15		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.2771	WERE	WACO	1	17.946	-0.0023	-0.2748	15		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27006	WERE	CHANUTE GENERATION SUB	14	42.721	0.00134	-0.2714	16		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27006	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00024	-0.27003	16		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27006	WERE	WACO	1	17.946	-0.0023	-0.26776	16		
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.21371	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.26008	16		
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21371	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.26008	16		

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21371	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.26008	16
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21371	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.26008	16
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.2136	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.25997	16
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.2136	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.25997	16
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.2136	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.25997	16
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.21385	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.26022	16
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.22969	18
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.23034	18
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.23034	18
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.22969	18
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.23034	18
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.23034	18
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.22969	18
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.23034	18
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.23034	18
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.22969	18
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.23034	18
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.23034	18
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.23023	18
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.23023	18
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.23023	18
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.23023	18
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.23023	18
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.23023	18
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.21385	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.22983	18
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.21385	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.23048	18
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.21385	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.23048	18
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21371	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01028	-0.22399	19
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01191	-0.22562	19
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01191	-0.22562	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21371	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01028	-0.22399	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01191	-0.22562	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01191	-0.22562	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21371	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01028	-0.22399	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01191	-0.22562	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01191	-0.22562	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21371	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01028	-0.22399	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01191	-0.22562	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01191	-0.22562	19
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.22958	19
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.2136	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01028	-0.22388	19
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.2136	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01191	-0.22551	19
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.2136	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01191	-0.22551	19
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.22958	19
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.2136	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01028	-0.22388	19
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.2136	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01191	-0.22551	19
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.2136	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01191	-0.22551	19
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.22958	19

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574382568725687312207SH
 Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Aggregate Relief Amount												
1034311	2.0	10.3												
1034363	0.7	10.3												
1034407	0.7	10.3												
1034420	0.5	10.3												
1034424	0.9	10.3												
1034589	0.3	10.3												
1034590	0.8	10.3												
1034595	2.1	10.3												
1034628	0.3	10.3												
1036932	0.9	10.3												
1040115	1.0	10.3												
Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.33977	30			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.33977	30			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.33977	30			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.33977	30			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.33273	31			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.32347	32			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.32347	32			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.32347	32			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.32347	32			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.31643	33			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.016	-0.29309	35			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01665	-0.29374	35			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01665	-0.29374	35			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.016	-0.29309	35			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01665	-0.29374	35			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01665	-0.29374	35			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.016	-0.29309	35			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01665	-0.29374	35			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01665	-0.29374	35			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.016	-0.29309	35			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01665	-0.29374	35			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01665	-0.29374	35			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00981	-0.2869	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.0103	-0.28739	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01193	-0.28902	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01193	-0.28902	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00981	-0.2869	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.0103	-0.28739	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01193	-0.28902	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01193	-0.28902	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00981	-0.2869	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.0103	-0.28739	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01193	-0.28902	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01193	-0.28902	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.016	-0.28605	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01665	-0.2867	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01665	-0.2867	36			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00981	-0.2869	36			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.0103	-0.28739	36			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01193	-0.28902	36			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01193	-0.28902	36			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	CHANUTE GENERATION SUB	14	33.041	0.00136	-0.27845	37			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	CITY OF ERIE	1	20	0.00136	-0.27845	37			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	CITY OF WELLINGTON	5	20	-0.00136	-0.27573	37			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	CITY OF WELLINGTON	6	19.5	-0.00136	-0.27573	37			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00027	-0.27736	37			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.27453	37			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27709	WERE	WACO	1	17.947	-0.00227	-0.27482	37			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	CHANUTE GENERATION SUB	14	33.041	0.00136	-0.27845	37			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	CITY OF ERIE	1	20	0.00136	-0.27845	37			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	CITY OF WELLINGTON	6	19.5	-0.00136	-0.27573	37			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	CITY OF WELLINGTON	5	20	-0.00136	-0.27573	37			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00027	-0.27736	37			

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.27453	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	WACO	1	17.947	-0.00227	-0.27482	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	CHANUTE GENERATION SUB	14	33.041	0.00136	-0.27845	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	CITY OF ERIE	1	20	0.00136	-0.27845	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	CITY OF WELLINGTON	6	19.5	-0.00136	-0.27573	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	CITY OF WELLINGTON	5	20	-0.00136	-0.27573	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00027	-0.27736	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.27453	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	WACO	1	17.947	-0.00227	-0.27482	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00981	-0.27986	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.0103	-0.28035	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01193	-0.28198	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01193	-0.28198	37
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	CHANUTE GENERATION SUB	14	33.041	0.00136	-0.27845	37
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	CITY OF ERIE	1	20	0.00136	-0.27845	37
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	CITY OF WELLINGTON	6	19.5	-0.00136	-0.27573	37
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	CITY OF WELLINGTON	5	20	-0.00136	-0.27573	37
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00027	-0.27736	37
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.27453	37
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27709	WERE	WACO	1	17.947	-0.00227	-0.27482	37
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21369	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.27637	37
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21369	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.27637	37
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21369	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.27637	37
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21369	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.27637	37
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.21359	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.27627	37
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.21359	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.27627	37
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.21359	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.27627	37
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.999999	-0.21384	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.27652	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	CHANUTE GENERATION SUB	14	33.041	0.00136	-0.27141	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	CITY OF ERIE	1	20	0.00136	-0.27141	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	CITY OF WELLINGTON	5	20	-0.00136	-0.26869	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	CITY OF WELLINGTON	6	19.5	-0.00136	-0.26869	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00027	-0.27032	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.26749	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	WACO	1	17.947	-0.00227	-0.26778	38
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21369	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.26007	40
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21369	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.26007	40
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21369	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.26007	40
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21369	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.26007	40
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.21359	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.25997	40
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.21359	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.25997	40
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.21359	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.25997	40
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.999999	-0.21384	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.26022	40
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21369	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.016	-0.22969	45
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21369	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01665	-0.23034	45
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21369	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01665	-0.23034	45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21369	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.016	-0.22969	45

Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574382568725687312208WP
 Date Redispatch Needed: 12/1/2008 - 4/1/2009

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
1032991	0.1	16.4	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27702	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32339	51
1032991	0.2	16.4	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27702	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32339	51
1032992	0.8	16.4	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27702	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32339	51
1034311	3.0	16.4	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27702	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32339	51
1034363	0.8	16.4	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	79	-0.26998	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.31635	52
1034407	1.1	16.4	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27702	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.29299	56
1034420	0.8	16.4	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27702	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.29366	56
1034424	1.4	16.4	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27702	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.29366	56
1034589	0.5	16.4	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27702	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.29299	56
1034590	1.2	16.4	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27702	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.29366	56
1034595	3.2	16.4	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27702	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.29366	56
1034628	0.5	16.4	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27702	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.29299	56
1036932	1.4	16.4	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27702	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.29366	56
1040115	1.5	16.4	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27702	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.29366	56
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27702	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.29299	56
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27702	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.29366	56
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27702	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01597	-0.29299	56
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27702	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.29366	56
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27702	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.28732	57
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27702	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.28732	57
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27702	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.28732	57
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26998	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.28595	57
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26998	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.28662	57
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26998	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.28662	57
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27702	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.28732	57
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27702	WERE	CHANUTE GENERATION SUB	14	20.589	0.00137	-0.27839	59
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27702	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.27726	59
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27702	WERE	CHANUTE GENERATION SUB	14	20.589	0.00137	-0.27839	59
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27702	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.27726	59
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27702	WERE	CHANUTE GENERATION SUB	14	20.589	0.00137	-0.27839	59
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27702	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.27726	59
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26998	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.28028	59
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27702	WERE	CHANUTE GENERATION SUB	14	20.589	0.00137	-0.27839	59
			WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.27702	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.27726	59
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26998	WERE	CHANUTE GENERATION SUB	14	20.589	0.00137	-0.27135	61
			WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26998	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.27022	61
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.21362	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.25999	63
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21362	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.25999	63
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21362	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.25999	63
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21362	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.25999	63
			WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.21341	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.25978	63
			WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.21376	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.26013	63
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.23026	71
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.23026	71
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.23026	71
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.23026	71
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.23026	71
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.23026	71
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.23026	71
			WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.23026	71
			WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.21341	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.23005	71

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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

WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.21341	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.23005	71
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.21376	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.22973	71
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.21376	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.2304	71
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.21376	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.2304	71
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.22959	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.22959	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.22959	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.22959	72
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.21341	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.22938	72
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21362	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.22392	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21362	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.22392	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21362	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.22392	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21362	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.22392	73
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.21341	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.22371	73
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.21376	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.22406	73
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21362	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.21386	77
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21362	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.21386	77
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21362	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.21386	77
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21362	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.21386	77
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.21341	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.21365	77
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.21376	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.214	77
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.00023	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.04614	356
WERE	EVANS ENERGY CENTER GAS TURBINE 4	1	154	0.00023	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.04614	356
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.00024	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.04613	356
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.00024	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.04613	356

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574382568725687313211WP
 Date Redispatch Needed: 12/1/2011 - 4/1/2012

Reservation	Relief Amount	Aggregate Relief Amount
1032991	0.3	37.7
1032991	0.4	37.7
1032992	1.0	37.7
1032992	1.3	37.7
1034311	5.0	37.7
1034363	2.8	37.7
1034407	3.0	37.7
1034420	1.5	37.7
1034424	2.5	37.7
1034589	1.1	37.7
1034590	2.7	37.7
1034595	5.4	37.7
1034625	4.9	37.7
1034628	1.1	37.7
1036932	2.4	37.7
1040115	2.5	37.7

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27697	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.32335	117
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27697	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.32335	117
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27697	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.32335	117
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26993	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.31631	119
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27697	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.29361	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27697	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.29361	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27697	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.29361	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27697	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.29361	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27697	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.29361	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27697	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.29361	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27697	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.29294	129
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27697	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.29294	129
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27697	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.29294	129
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27697	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.01028	-0.28725	131
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27697	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01191	-0.28888	131
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27697	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.01028	-0.28725	131
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27697	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01191	-0.28888	131
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27697	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.01028	-0.28725	131
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27697	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01191	-0.28888	131
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26993	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.2859	132
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26993	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.28657	132
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26993	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.28657	132
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26993	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01191	-0.28184	134
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26993	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.01028	-0.28021	135
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27697	WERE	EVANS ENERGY CENTER UNIT 2	1	102.3201	0.00026	-0.27723	136
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27697	WERE	EVANS ENERGY CENTER UNIT 2	1	102.3201	0.00026	-0.27723	136
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27697	WERE	EVANS ENERGY CENTER UNIT 2	1	102.3201	0.00026	-0.27723	136
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26993	WERE	EVANS ENERGY CENTER UNIT 2	1	102.3201	0.00026	-0.27019	140
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 4	1	78	-0.21355	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.25993	145
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21355	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.25993	145
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21355	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.25993	145
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21355	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.25993	145
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.2137	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.26008	145
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21355	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.22952	164
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21355	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.23019	164
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21355	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.23019	164
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.2137	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.22967	164
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.2137	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.23034	164
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.2137	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.23034	164
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21355	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.01028	-0.22383	168
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.2137	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.01028	-0.22398	168
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21355	WERE	EVANS ENERGY CENTER UNIT 2	1	102.3201	0.00026	-0.21381	176
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.2137	WERE	EVANS ENERGY CENTER UNIT 2	1	102.3201	0.00026	-0.21396	176

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

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

Upgrade: Wichita - Reno Co 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574382568725687314206WP
 Date Redispatch Needed: 12/1/06 - 4/1/07

Reservation	Relief Amount	Aggregate Relief Amount
1034311	5.1	24.3
1034363	2.7	24.3
1034407	3.2	24.3
1034420	1.6	24.3
1034424	2.9	24.3
1034589	1.1	24.3
1034590	2.7	24.3
1034628	1.1	24.3
1036932	2.0	24.3
1040115	2.1	24.3

Source Control Area	Source	Source Id	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Sink Id	Maximum Decrement (MW)	GSF	Factor	Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.30442	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.30442	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.30442	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.30442	80
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28563	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.29966	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28563	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.29966	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28563	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.29966	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27918	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.29873	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27918	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.29873	81
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28563	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.29966	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28563	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.29781	82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28563	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.29781	82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28563	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.29781	82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27918	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.29797	82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27918	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.29321	83
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27918	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.29136	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28563	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.28605	85
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28563	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.28605	85
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28563	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.28605	85
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27918	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.2796	87

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

WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.245	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.245	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.245	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.245	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22634	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.24513	99
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22634	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.24589	99
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22634	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.24589	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22621	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.24024	101
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22621	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.24024	101
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22621	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.24024	101
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22621	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.24024	101
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22634	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.24037	101
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22621	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.23839	102
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22621	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.23839	102
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22621	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.23839	102
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22621	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.23839	102
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22634	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.23852	102
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22621	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.22663	107
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 1	1	52	-0.22621	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.22663	107
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 2	1	50	-0.22621	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.22663	107
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 3	1	52	-0.22621	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.22663	107
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22634	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.22676	107

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