Aggregate Facility Study SPP-2006-AG2-AFS-1 For Transmission Service Requested by Aggregate Transmission Customers

SPP Engineering, SPP Tariff Studies

Table of Contents

1. Executive Summary

Pursuant to Attachment Z of the Southwest Power Pool Open Access Transmission Tariff (OATT), 4418 MW of long-term transmission service requests have been restudied in this Aggregate Facility Study (AFS). The first phase of the AFS consisted of a revision of the impact study to reflect the withdrawal of requests for which an Aggregate Facility Study Agreement was not executed. The principal objective of the AFS is to identify system problems and potential modifications necessary to facilitate these transfers while maintaining or improving system reliability as well as summarizing the operating limits and determination of the financial characteristics associated with facility upgrades. Facility upgrade costs are allocated on a prorated basis to all requests positively impacting any individual overloaded facility. 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 assigned facility upgrade Engineering and Construction (E &C) cost determined by the AFS is $524,863,466. Additionally $ 5,355,000 of assigned E & C cost for 3rd party facility upgrades are assignable to the customer. The total upgrade levelized revenue requirement for all transmission requests is $2,039,034,622. This is based on full allocation of levelized revenue requirements for upgrades to customers without consideration of base plan funding. The AFS data tables reflect the allocation of upgrade costs to customers both with and without potential base plan funding based on either the requested reservation period or the deferred reservation period without

redispatch if applicable. Total upgrade levelized revenue requirements for all transmission requests after consideration of potential base plan funding is $1,286,970,217.

Third-party facilities must be upgraded when it is determined they are constrained in order to accommodate the requested Transmission Service. These include both first-tier neighboring facilities outside SPP and Transmission Owner facilities within SPP that are not under the SPP OATT. In this AFS, 2 third-party facilities were identified. Total engineering and construction cost estimates for required third-party facility upgrades are $5,355,000.

The Transmission Provider will tender a Letter of Intent on Friday, September 8th, 2006. This will open a 15-day window for Customer response. To remain in the Aggregate Transmission Service Study (ATSS), the Transmission Provider must receive from the Transmission Customer (Customer) by September 23rd, 2006, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.

At the conclusion of the ATSS, Service Agreements for each request for service will be tendered identifying the terms and conditions of the confirmed service.

If customers withdraw from the ATSS after posting of this AFS, the AFS will be re-performed to determine final cost allocation and Available Transmission Capability (ATC) in consideration of the remaining ATSS participants. All allocated revenue requirements for facility upgrades are assigned to the customer in the AFS data tables.

Potential base plan funding allowable is contingent upon validation of designated resources meeting Attachment J, Section III B criteria.

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 link 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 fourth open season commenced on February 1, 2006. All requests for long-term transmission service received prior to June 1, 2006 with a signed study agreement were then included in this fourth Aggregate Transmission Service Study (ATSS).

Approximately 4418MW of long-term transmission service has been restudied in this Aggregate Facility Study (AFS) with over $524 Million in transmission upgrades being proposed. The results of the AFS are detailed in Tables 1 through 6. 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 link can be used to access the SPP OATT: (http://www.spp.org/Publications/SPP_Tariff.pdf). 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.

Pursuant to Attachment J, Section III B of the SPP OATT, the Transmission Customer must provide SPP information necessary to verify that the new or changed Designated Resource meets the following conditions:

1. Transmission Customer's commitment to the requested new or changed Designated Resource must have a duration of at least five years.
2. During the first year the Designated Resource is planned to be used by the Transmission Customer, the accredited capacity of the Transmission Customer's existing Designated Resources plus the lesser of (a) the planned maximum net dependable capacity applicable to the Transmission Customer or (b) the requested capacity; shall not exceed 125% of the Transmission Customer's projected system peak responsibility determined pursuant to SPP Criteria 2.

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 assigned facility upgrades including any prepayments for redispatch required during construction.

Network Integration Service customers pay the total monthly transmission access charges and the monthly revenue requirement associated with the facility upgrades including any prepayments for redispatch during construction.

Transmission Customers paying for a directly assigned network upgrade shall receive credits for new transmission service using the facility as specified in Attachment Z Section VII.

Facilities identified as limiting the requested Transmission Service have been reviewed to determine the required in-service date of each Network Upgrade. The year that each Network Upgrade is required to accommodate a request is determined by interpolating between the applicable model years given the respective loading data. Both previously assigned facilities and the facilities assigned to this request for Transmission Service were evaluated.

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, expansion plan projects, or customer assigned upgrades.

Some constraints identified in the AFS were not assigned to the Customer as the Transmission Provider determined that upgrades are not required due to various reasons or the Transmission Owner has construction plans pending for these upgrades. These facilities are listed by reservation in Table 3. This table also includes constrained

facilities in the current planning horizon that limit the rollover rights of the Transmission Customer. Table 6 lists possible redispatch pairs to allow start of service prior to completion of assigned network upgrades.

A. Financial Analysis

The AFS utilizes the allocated customer E & C cost in a present worth analysis to determine the monthly levelized revenue requirement of each facility upgrade over the term of the reservation. In some cases, network upgrades cannot be completed within the requested reservation period, thus deferred reservation periods will be utilized in the present worth analysis. If the Customer chooses Option 3, Redispatch, in the Letter Agreement sent coincident with this AFS, the present worth analysis will be re-performed within the original reservation period in the subsequent AFS. The upgrade levelized revenue requirement includes interest, depreciation, and carrying costs.

Each request for Transmission Service is evaluated independently as the cost associated with each Network Upgrade is assigned to a request. When facilities are upgraded throughout the reservation period, the Transmission Customer shall 1) pay the total E & C costs and other annual operating costs associated with the new facilities, and 2) receive credits associated with the depreciated book value of removed usable facilities, salvage value of removed non-usable facilities, and the carrying charges, excluding depreciation, associated with all removed usable facilities based on their respective book values.

In the event that the engineering and construction of a previously assigned Network Upgrade may be expedited, with no additional upgrades, to accommodate a new request for Transmission Service, then the levelized present worth of only the incremental expenses though the reservation period of the new request, excluding depreciation, shall be assigned to the new request. These incremental expenses, excluding depreciation,

include 1) the levelized difference in present worth of the engineering and construction expenses given the change in date to complete construction to account for additional interest expense and reduced engineering and construction expense due to inflation, 2) the
levelized present worth of all expediting fees, and 3) the levelized present worth of the incremental annual carrying charges, excluding depreciation and interest, during the new reservation period taking into account both a) the reservation in which the project was originally assigned, and b) a reservation, if any, in which the project was previously expedited.

B. Third-Party Facilities

For third-party facilities listed in Table 3 and Table 5, the Transmission Customer is responsible for funding the necessary upgrades of these facilities per Section 21.1 of the Transmission Provider's OATT. In this AFS, 2 third-party facilities were identified. Total engineering and construction cost estimates for required third-party facility upgrades are $5,355,000. The Transmission Provider will undertake reasonable efforts to assist the Transmission Customer in making arrangements for necessary engineering, permitting, and construction of the third-party facilities. Third-party facility upgrade engineering and construction cost estimates are not utilized to determine the present worth value of levelized revenue requirements for SPP system network upgrades.

All modeled facilities within the Transmission Provider system were monitored during the development of this Study as well as certain facilities in first-tier neighboring systems. Third-party facilities must be upgraded when it is determined that they are overloaded while accommodating the requested Transmission Service. These facilities also include those owned by members of the Transmission Provider who have not placed their facilities under the Transmission Provider's OATT.

Third-party facilities are evaluated for only those requests whose load sinks within the SPP footprint. The Customer must arrange for study of 3rd party facilities for load that sinks outside the SPP footprint with the applicable Transmission Providers.

3. Study Methodology

A. Description

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

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

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

B. Model Development

SPP used fifteen seasonal models to study the aggregate transfers of 4418 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), 2007Summer 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 4418 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 thirteen seasonal models, three 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 exporting and SPS exporting to outside zones and exporting to 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 net importing and SPS importing from an outside zone and exporting to the Lamar HVDC Tie. Scenario 3 includes transmission requests not already included in the SPP 2006 Series Cases flowing in a West to East direction with ERCOT net importing and SPS importing from an outside zone 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. Curtailment and 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 curtailment of existing confirmed service or interim 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 as identified in Table 6. Using the selected cases where the limiting facilities were identified, potential incremental and decremental units were identified by determining the generation amount available for increasing and decreasing from the units generation amount, maximum generation amount, and minimum generation amount. If the incremental or decremental amount was greater than 1 MW, the unit was considered as a potential incremental or decremental unit. Generation shift factors were calculated for the potential incremental and decremental units using Managing and Utilizing System Transmission (MUST). From the generation shift factors for the incremental and decremental units, top 100 relief pairs with a greater than 3% TDF were determined from the incremental units with the lowest generation shift factors and decremental units with highest generation shift factors. The potential relief pairs **were not** evaluated to determine impacts on limiting facilities in the SPP and 1st-Tier systems. The redispatch requirements would be called upon prior to implementing NERC TLR Level 5a.

4. Study Results

A. Study Analysis Results

Tables 1 through 6 contain the steady-state analysis results of the ASIS. Table 1 identifies the participating long-term transmission service requests included in the AFS. This table lists deferred start and stop dates both with and without redispatch (if applicable), the minimum annual allocated ATC without upgrades and season of first impact. Table 2 identifies total E & C cost allocated to each Transmission Customer, letter of credit requirements, third party E & C cost assignments, potential base plan E & C funding (lower of allocated E & C or Attachment J Section III B criteria) , total revenue requirements for assigned upgrades without consideration of potential base plan funding, point-to-point base rate charge, total revenue requirements for assigned upgrades with consideration of potential base plan funding, and final total cost allocation to the Transmission Customer. Table 3 provides additional details for each request including all assigned facility upgrades required, allocated E & C costs, allocated revenue requirements for upgrades, upgrades not assigned to customer but required for service to be confirmed, facilities limiting rollover rights, credits to be paid for previously assigned AFS facility upgrades, and any third party upgrades required. This includes the season in the planning horizon where rollover rights are limited. Table 4 lists all upgrade requirements with associated solutions needed to provide transmission service for the AFS, Minimum ATC per upgrade with season of impact, Earliest Date Upgrade is required (COD), Estimated Date of Upgrade Completion (EOC), and Estimated E & C cost. Table 5 lists identified Third-Party constrained facilities. Table 6 identifies potential redispatch pairs available to relieve the aggregate impacts on identified constraints to prevent deferral of start of service.

Potential base plan funding allowable is contingent upon meeting each of the conditions for classifying upgrades associated with designated resources as base plan upgrades as

defined in Section III.B of Attachment J. The lesser of the planned maximum net dependable capacity or the requested capacity is multiplied by $180,000 to determine potential base plan funding allowable. If this additional capacity exceeds the 125% resource to load criteria for a given year, the 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 E & C cost for that portion of the 50MW request not exceeding 125% resource to load, or 25MW, would be compared to the E & C cost for the full 50MW to determine a prorata share of the cost that can be covered by base plan funding. Any allocated customer costs in excess of base plan funding will be assigned to the customer.

Regarding application of base plan funding for PTP requests, if PTP base rate exceeds upgrade revenue requirements without taking into effect the reduction of revenue requirements by potential base plan funding, then the base rate revenue pays back the Transmission Owner for upgrades and no base plan funding is applicable as the access charge must be paid as it is the higher of "OR" pricing.

However, if initially the upgrade revenue requirements exceed the PTP base rate, then potential base plan funding would be applicable. The test of the higher of "OR" pricing would then be made against the remaining assignable revenue requirements versus PTP base rate. Examples are as follows:

Example A:
E & C allocated for upgrades is 74 million with revenue requirements of 140 million and PTP base rate of 101 million. Potential base plan funding is 47 million with the difference of 27 million E & C assignable to the customer. If the revenue requirements for the assignable portion is 54 million and the PTP base rate is 101 million, the customer will pay the higher "OR" pricing of 101 million base rate of which 54 million revenue requirements will be paid back to the Transmission Owners for the upgrades and the remaining revenue requirements of (140-54) or 86 million will be paid by base plan funding.

Example B:
E & C allocated for upgrades is 74 million with revenue requirements of 140 million and PTP base rate of 101 million. Potential base plan funding is 10 million with the difference of 64 million E & C assignable to the customer. If the revenue requirements for this assignable portion is 128 million and the PTP base rate is 101 million the customer will pay the higher "OR" pricing of 128 million revenue requirements to be paid back to the Transmission Owners and the remaining revenue requirements of (140-128) or 12 million will be paid by base plan funding.

Example C:
E & C allocated for upgrades is 25 million with revenue requirements of 50 million and PTP base rate of 101 million. Potential base plan funding is 10 million. Base plan funding is not applicable as the higher "OR" pricing of PTP base rate of 101 million must be paid and the 50 million revenue requirements will be paid from this.

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.

B. Study Definitions

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 Transmission Customer Allocation Cost is the estimated engineering and construction cost based upon the allocation of costs to all Transmission Customers in the AFS who positively impact facilities by at least 3% subsequently overloaded by the AFS. Minimum ATC is the portion of the requested capacity that can be accommodated with out 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.

5. Conclusion

The results of the AFS 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 3.

The Transmission Provider will tender a Letter of Intent on Friday, September 8th, 2006. This will open a 15-day window for Customer response. To remain in the Aggregate

Transmission Service Study (ATSS), the Transmission Provider must receive from the Transmission Customer (Customer) by September 23rd, 2006, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.

The Transmission Provider must receive an unconditional and irrevocable letter of credit in the amount of the total allocated Engineering and Construction costs assigned to the Customer. This letter of credit is required regardless of base plan funding consideration. This amount is for all assignable Network Upgrades less pre-payment requirements. The amount of the letter of credit will be adjusted down on an annual basis to reflect amortization of these costs. The Transmission Provider will issue letters of authorization to construct facility upgrades to the constructing Transmission Owner. This date is determined by the engineering and construction lead time provided for each facility upgrade.

Appendix A

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 loads
3. Var limits – Apply immediately
4. Solution options - X Phase shift adjustment
   _ Flat start
   _ Lock DC taps
   _ Lock switched shunts

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

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

Table 1 - Long-Term Transmission Service Requests Included in Aggregate Facility Study

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Start Date with Redispatch	Stop Date with Redispatch	Mimimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period
AECC	AG2-2006-017	1079577	CSWS	EES	25	1/1/2007	1/1/2009	6/1/2009	6/1/2011	N/A	N/A	0	06WP
AECC	AG2-2006-039	1089945	WR	CSWS	50	12/1/2007	12/1/2027	6/1/2009	6/1/2029	N/A	N/A	0	07WP
AECC	AG2-2006-064	1090457	WR	EES	50	12/1/2007	12/1/2027					0	11WP
AEPM	AG2-2006-024	1086238	WFEC	CSWS	16	7/1/2007	7/1/2027	6/1/2010	6/1/2030	6/1/2009 [1]	6/1/2029	0	07FA
AEPM	AG2-2006-033	1087745	EES	CSWS	225	1/1/2007	1/1/2010	6/1/2010	6/1/2013	6/1/2009 [1]	6/1/2012	0	06WP
AEPM	AG2-2006-034	1087757	CSWS	CSWS	172	6/1/2008	6/1/2028	6/1/2010	6/1/2030	6/1/2009 [1]	6/1/2029	0	08SP
APM	AG2-2006-031	1087085	AECI	OKGE	3	12/1/2006	12/1/2007	6/1/2010 [2]	6/1/2011	N/A	N/A	1	07G_
CALP	AG2-2006-004	1040980	NPPD	ERCOTE	50	1/1/2007	1/1/2008	6/1/2010	6/1/2011	N/A	N/A	0	06WP
EDE	AG2-2006-018	1080018	EES	EDE	50	6/1/2010	6/1/2040					0	11SP
GSEC	AG2-2006-054	1090270	CSWS	CSWS	10	10/1/2006	10/1/2036	6/1/2011 [2]	6/1/2041	6/1/2010 [1]	6/1/2040	0	06WP
GSEC	AG2-2006-056	1090288	SECI	SPS	400	6/1/2011	6/1/2041					0	11SP
GSEC	AG2-2006-086	1090767	CSWS	CSWS	8	10/1/2006	10/1/2036	6/1/2010 [2]	6/1/2040	N/A	N/A	0	07SP
GSEC	AG2-2006-087	1090789	CSWS	CSWS	6	10/1/2006	10/1/2036	6/1/2010 [2]	6/1/2040	N/A	N/A	0	07SP
GSEC	AG2-2006-126	1090298	SPS	SPS	15	10/1/2007	10/1/2037					0	16SP
GSEC	AG2-2006-127	1090301	SPS	SPS	20	3/1/2007	3/1/2037	6/1/2010	6/1/2040	3/1/2007 [1]	3/1/2037	0	07AP
GSEC	AG2-2006-128	1090310	SPS	SPS	20	7/1/2007	7/1/2037	6/1/2011 [2]	6/1/2041	6/1/2010 [1]	6/1/2040	0	07FA
GSEC	AG2-2006-129	1090315	SPS	SPS	20	9/1/2007	9/1/2037	6/1/2010 [2]	6/1/2040	N/A	N/A	0	08SP
GSEC	AG2-2006-130	1090320	SPS	SPS	25	3/1/2011	3/1/2041					0	16SP
GSEC	AG2-2006-131	1090322	SPS	SPS	25	3/1/2009	3/1/2039					0	16SP
GSEC	AG2-2006-132	1090454	SPS	SPS	5	10/1/2006	10/1/2036	6/1/2010 [2]	6/1/2040	N/A	N/A	0	07G_
GSEC	AG2-2006-133	1090487	SPS	SPS	150	4/1/2007	4/1/2017	6/1/2010 [2]	6/1/2020	N/A	N/A	0	07AP
GSEC	AG2-2006-134	1090324	SPS	SPS	25	3/1/2013	3/1/2043					0	16SP
GSEC	AG2-2006-135	1090328	SPS	SPS	25	3/1/2016	3/1/2046					0	16SP
GSEC	AG2-2006-136	1090456	SPS	SPS	15	7/1/2007	7/1/2037	6/1/2010 [2]	6/1/2040	N/A	N/A	0	07SH
KBPU	AG2-2006-041	1089950	WR	KACY	25	10/1/2007	10/1/2027	6/1/2011 [2]	6/1/2028	6/1/2010 [1]	6/1/2028	0	07FA
KBPU	AG2-2006-042	1089952	SPA	KACY	39	7/1/2007	7/1/2017	1/1/2009	1/1/2018	7/1/2007 [1]	7/1/2017	0	07FA
KCPS	AG2-2006-090	1090801	KCPL	AECI	1	11/1/2006	6/1/2025					1	N/A
KCPS	AG2-2006-090	1090802	KCPL	AECI	1	11/1/2006	6/1/2025					1	N/A
KCPS	AG2-2006-091	1090773	KCPL	KACY	10	11/1/2006	6/1/2010	6/1/2008	6/1/2010	11/1/2006 [1]	6/1/2010	3	07SP
KCPS	AG2-2006-091	1090782	KCPL	KACY	24	11/1/2006	6/1/2010	6/1/2008	6/1/2010	11/1/2006 [1]	6/1/2010	6	07SP
KCPS	AG2-2006-091	1090787	KCPL	KACY	11	11/1/2006	6/1/2010	6/1/2008	6/1/2010	11/1/2006 [1]	6/1/2010	3	07SP
KCPS	AG2-2006-091	1090815	KCPL	KACY	12	11/1/2006	6/1/2010	6/1/2008	6/1/2010	11/1/2006 [1]	6/1/2010	3	07SP
KCPS	AG2-2006-091	1090818	KCPL	KACY	25	11/1/2006	6/1/2010	6/1/2008	6/1/2010	11/1/2006 [1]	6/1/2010	6	07SP
KEPC	AG2-2006-067	1090416	KCPL	WR	30	6/1/2010	6/1/2030	6/1/2011	6/1/2031	6/1/2010 [1]	6/1/2030	0	11SP
KEPC	AG2-2006-105	1090808	WR	WR	6	10/1/2006	10/1/2036	6/1/2011 [2]	6/1/2041	6/1/2010 [1]	6/1/2040	0	07SP
KEPC	AG2-2006-105	1090825	WR	WR	5	10/1/2006	10/1/2026	6/1/2011	6/1/2031	12/1/2007 [1]	12/1/2027	0	07SP
KEPC	AG2-2006-120	1090745	SECI	WPEK	25	6/1/2010	6/1/2030					0	11SP
KEPC	AG2-2006-121	1090754	SECI	WR	25	6/1/2010	6/1/2030					0	11SP
KEPC	AG2-2006-122	1090729	WR	KCPL	14	6/1/2007	6/1/2012	6/1/2010 [2]	6/1/2015	N/A	N/A	0	07FA
KEPC	AG2-2006-123	1090823	WR	WR	5	6/1/2007	6/1/2027	6/1/2011 [2]	6/1/2031	12/1/2007 [1]	12/1/2027	0	07FA
KMEA	AG2-2006-065	1090401	GRDA	KCPL	1	5/1/2007	5/1/2026					0	08SP
KMEA	AG2-2006-065	1090528	GRDA	KCPL	1	5/1/2007	5/1/2026					0	08SP
KMEA	AG2-2006-081	1090662	WR	WR	16	10/1/2006	10/1/2016	6/1/2011	6/1/2021	6/1/2010 [1]	6/1/2020	0	06FA
KMEA	AG2-2006-082	1090674	GRDA	WR	1	5/1/2007	5/1/2026	6/1/2011 [2]	6/1/2026	10/1/2007 [1]	10/1/2026	0	07FA
KMEA	AG2-2006-083	1090676	GRDA	WR	1	5/1/2010	5/1/2026	6/1/2011 [2]	6/1/2026	5/1/2010 [1]	5/1/2026	0	11SP
KMEA	AG2-2006-084	1090548	GRDA	KCPL	1	5/1/2010	5/1/2026					0	11SP
KPP	AG2-2006-078	1090609	WR	WR	129	10/1/2006	10/1/2016	6/1/2011	6/1/2021	10/1/2007 [1]	10/1/2017	0	06FA
KPP	AG2-2006-079	1090613	SECI	WPEK	25	10/1/2006	10/1/2016	6/1/2010 [2]	6/1/2020	N/A	N/A	0	07SH
KPP	AG2-2006-125	1090612	WPEK	WPEK	13	10/1/2006	10/1/2016	6/1/2011 [2]	6/1/2021	10/1/2008 [1]	10/1/2018	0	06WP
MECB	AG2-2006-140	1103355	MEC	AECI	100	1/1/2007	1/1/2008	6/1/2010 [2]	6/1/2011	N/A	N/A	55	07SP
MECB	AG2-2006-140	1103357	MEC	AECI	50	1/1/2007	1/1/2008	6/1/2010 [2]	6/1/2011	N/A	N/A	27	07SP
MIDW	AG2-2006-047	1090244	WR	WR	2	6/1/2008	6/1/2013	6/1/2010 [2]	6/1/2015	N/A	N/A	0	08SP
MIDW	AG2-2006-050	1090329	WR	WR	36	6/1/2010	6/1/2035	6/1/2011 [2]	6/1/2036	6/1/2010 [1]	6/1/2035	0	11SP
MIDW	AG2-2006-050	1090331	WR	WR	9	6/1/2010	6/1/2035	6/1/2011 [2]	6/1/2036	6/1/2010 [1]	6/1/2035	0	11SP
MIDW	AG2-2006-050	1090332	WR	WR	49	6/1/2010	6/1/2035	6/1/2011 [2]	6/1/2036	6/1/2010 [1]	6/1/2035	0	11SP
MIDW	AG2-2006-050	1090334	WR	WR	11	6/1/2010	6/1/2035	6/1/2011 [2]	6/1/2036	6/1/2010 [1]	6/1/2035	0	11SP
MIDW	AG2-2006-051	1090325	WR	WR	24	6/1/2008	6/1/2038	6/1/2011 [2]	6/1/2041	6/1/2008 [1]	6/1/2038	0	08SP
MIDW	AG2-2006-051	1090327	WR	WR	6	6/1/2008	6/1/2038	6/1/2011 [2]	6/1/2041	6/1/2008 [1]	6/1/2038	0	08SP

Table 1 - Long-Term Transmission Service Requests Included in Aggregate Facility Study

MIDW	AG2-2006-052	1090245	WR	WR	6	6/1/2008	6/1/2013	6/1/2010 [2]	6/1/2015	N/A	N/A	0	08SP
MIDW	AG2-2006-058	1090377	EES	WR	40	5/1/2010	5/1/2040	6/1/2011 [2]	6/1/2041	5/1/2010 [1]	5/1/2040	0	11SP
MIDW	AG2-2006-058	1090378	EES	WR	10	5/1/2010	5/1/2040	6/1/2011 [2]	6/1/2041	5/1/2010 [1]	5/1/2040	0	11SP
MIDW	AG2-2006-058	1090382	EES	WR	20	5/1/2010	5/1/2040	6/1/2011 [2]	6/1/2041	5/1/2010 [1]	5/1/2040	0	11SP
MIDW	AG2-2006-058	1090383	EES	WR	5	5/1/2010	5/1/2040	6/1/2011 [2]	6/1/2041	5/1/2010 [1]	5/1/2040	0	11SP
MIDW	AG2-2006-059	1090388	EES	WR	7	5/1/2010	5/1/2040					0	11SP
MIDW	AG2-2006-059	1090390	EES	WR	3	5/1/2010	5/1/2040					0	11SP
MIDW	AG2-2006-060	1090392	EES	WR	1	5/1/2010	5/1/2040					0	11SP
MIDW	AG2-2006-060	1090394	EES	WR	1	5/1/2010	5/1/2040					0	11SP
MIDW	AG2-2006-061	1090396	EES	WR	2	5/1/2010	5/1/2040					0	11SP
MIDW	AG2-2006-061	1090399	EES	WR	1	5/1/2010	5/1/2040					0	11SP
MIDW	AG2-2006-096	1091026	WR	WR	3	6/1/2008	6/1/2038	6/1/2010 [2]	6/1/2040	N/A	N/A	0	08SP
MIDW	AG2-2006-096	1091027	WR	WR	7	6/1/2008	6/1/2038	6/1/2010 [2]	6/1/2040	N/A	N/A	0	08SP
MIDW	AG2-2006-096	1091028	WR	WR	8	6/1/2008	6/1/2038	6/1/2011 [2]	6/1/2041	6/1/2010 [1]	6/1/2040	0	08SP
MIDW	AG2-2006-096	1091032	WR	WR	10	6/1/2008	6/1/2038	6/1/2010 [2]	6/1/2040	N/A	N/A	0	08SP
MIDW	AG2-2006-096	1091066	WR	WR	17	6/1/2008	6/1/2013	6/1/2010 [2]	6/1/2015	N/A	N/A	0	08SP
MIDW	AG2-2006-097	1090917	WR	WR	20	6/1/2008	6/1/2038	6/1/2011	6/1/2041	6/1/2008 [1]	6/1/2038	4	08SP
MIDW	AG2-2006-097	1090919	WR	WR	5	6/1/2008	6/1/2038	6/1/2011	6/1/2041	6/1/2008 [1]	6/1/2038	1	08SP
MIDW	AG2-2006-097	1090920	WR	WR	40	6/1/2008	6/1/2038	6/1/2011	6/1/2041	6/1/2008 [1]	6/1/2038	8	08SP
MIDW	AG2-2006-097	1090921	WR	WR	10	6/1/2008	6/1/2038	6/1/2011	6/1/2041	6/1/2008 [1]	6/1/2038	2	08SP
MIDW	AG2-2006-097	1090922	WR	WR	50	6/1/2008	6/1/2038	6/1/2011	6/1/2041	6/1/2008 [1]	6/1/2038	0	11WP
MIDW	AG2-2006-097	1090923	WR	WR	11	6/1/2008	6/1/2038	6/1/2011	6/1/2041	6/1/2008 [1]	6/1/2038	0	11WP
MIDW	AG2-2006-097	1090934	WR	WR	60	6/1/2008	6/1/2038	6/1/2011	6/1/2041	6/1/2008 [1]	6/1/2038	12	08SP
MIDW	AG2-2006-097	1090935	WR	WR	15	6/1/2008	6/1/2038	6/1/2011	6/1/2041	6/1/2008 [1]	6/1/2038	3	08SP
MIDW	AG2-2006-098	1090958	WR	WR	3	6/1/2008	6/2/2038	6/1/2010 [2]	6/1/2040	N/A	N/A	0	08SP
MIDW	AG2-2006-098	1091043	WR	WR	1	6/1/2008	6/1/2038	6/1/2010 [2]	6/1/2040	N/A	N/A	0	08SP
MIDW	AG2-2006-098	1091044	WR	WR	2	6/1/2008	6/1/2038	6/1/2010 [2]	6/1/2040	N/A	N/A	0	08SP
MIDW	AG2-2006-098	1091045	WR	WR	2	6/1/2008	6/1/2038	6/1/2011 [2]	6/1/2041	6/1/2010 [1]	6/1/2040	0	08SP
MIDW	AG2-2006-099	1091034	WR	WR	1	6/1/2008	6/1/2038	6/1/2010 [2]	6/1/2040	N/A	N/A	0	08SP
MIDW	AG2-2006-099	1091035	WR	WR	1	6/1/2008	6/1/2038	6/1/2010 [2]	6/1/2040	N/A	N/A	0	08SP
MIDW	AG2-2006-099	1091036	WR	WR	1	6/1/2008	6/1/2038	6/1/2011 [2]	6/1/2041	6/1/2010 [1]	6/1/2040	0	08SP
MIDW	AG2-2006-099	1091041	WR	WR	2	6/1/2008	6/1/2038	6/1/2010 [2]	6/1/2040	N/A	N/A	0	08SP
MIDW	AG2-2006-106	1090964	WR	WR	35	1/1/2007	1/1/2012	6/1/2011 [2]	6/1/2016	10/1/2008 [1]	10/1/2013	0	07SH
MIDW	AG2-2006-106	1090965	WR	WR	10	1/1/2007	1/1/2012	6/1/2011 [2]	6/1/2016	10/1/2008 [1]	10/1/2013	0	07SH
MIDW	AG2-2006-107	1090817	WR	WR	25	6/1/2007	6/1/2017	6/1/2011 [2]	6/1/2021	10/1/2008 [1]	10/1/2018	0	07SH
MIDW	AG2-2006-108	1090826	WR	WR	40	6/1/2008	6/1/2028	6/1/2011 [2]	6/1/2031	6/1/2008 [1]	6/1/2028	0	08SP
MIDW	AG2-2006-108	1090829	WR	WR	15	6/1/2008	6/1/2028					0	11SP
MIDW	AG2-2006-108	1090839	WR	WR	40	6/1/2008	6/1/2018	6/1/2011 [2]	6/1/2021	6/1/2008 [1]	6/1/2018	0	08SP
MIDW	AG2-2006-108	1090841	WR	WR	40	6/1/2008	6/1/2018	6/1/2011 [2]	6/1/2021	6/1/2008 [1]	6/1/2018	0	08SP
MIDW	AG2-2006-108	1090844	WR	WR	10	6/1/2008	6/1/2028	6/1/2011 [2]	6/1/2031	6/1/2008 [1]	6/1/2028	0	08SP
MIDW	AG2-2006-108	1090852	WR	WR	10	6/1/2008	6/1/2018	6/1/2011 [2]	6/1/2021	6/1/2008 [1]	6/1/2018	0	08SP
MIDW	AG2-2006-108	1090853	WR	WR	19	6/1/2008	6/1/2018	6/1/2011 [2]	6/1/2021	6/1/2008 [1]	6/1/2018	0	08SP
MIDW	AG2-2006-108	1090854	WR	WR	6	6/1/2008	6/1/2018	6/1/2011 [2]	6/1/2021	6/1/2008 [1]	6/1/2018	0	08SP
MIDW	AG2-2006-108	1091052	WR	WR	10	6/1/2008	6/1/2013	6/1/2011 [2]	6/1/2016	6/1/2008 [1]	6/1/2013	0	08SP
MIDW	AG2-2006-108	1091053	WR	WR	20	6/1/2008	6/1/2013	6/1/2011 [2]	6/1/2016	6/1/2008 [1]	6/1/2013	0	08SP
MIDW	AG2-2006-108	1091055	WR	WR	30	6/1/2008	6/1/2013	6/1/2011 [2]	6/1/2016	6/1/2008 [1]	6/1/2013	0	08SP
MIDW	AG2-2006-108	1091057	WR	WR	10	6/1/2008	6/1/2018	6/1/2011 [2]	6/1/2021	6/1/2008 [1]	6/1/2018	0	08SP
MIDW	AG2-2006-109	1090851	WR	WR	5	6/1/2011	6/1/2031					0	11SP
MIDW	AG2-2006-109	1090855	WR	WR	15	6/1/2011	6/1/2021					0	11SP
MIDW	AG2-2006-109	1090856	WR	WR	5	6/1/2011	6/1/2021					0	11SP
MIDW	AG2-2006-110	1090759	WR	WR	5	6/1/2015	6/1/2025					0	16SP
MIDW	AG2-2006-110	1091068	WR	WR	15	6/1/2015	6/1/2025					0	16SP
MIDW	AG2-2006-118	1090959	SECI	WR	75	6/1/2011	6/1/2041					0	11WP
OGE	AG2-2006-035	1087908	OKGE	EES	10	12/1/2006	12/1/2011	6/1/2009	6/1/2014	12/1/2006 [1]	12/1/2011	0	08SP
PNMM	AG2-2006-089	1090813	SECI	BLKW	75	6/1/2011	6/1/2041					0	11SP
PNMM	AG2-2006-089	1090814	SECI	BLKW	75	6/1/2011	6/1/2041					0	11SP
SEPC	AG2-2006-043	1090236	SECI	WPEK	150	6/1/2011	6/1/2041					0	11SP
SHDY	AG2-2006-019	1085305	OKGE	CSWS	320	1/8/2008	1/8/2009	6/1/2010	6/1/2011	1/8/2008 [1]	1/8/2009	271	08SP
SPSM	AG2-2006-072	1090680	CSWS	BLKW	50	10/1/2006	3/1/2012	6/1/2011 [2]	6/1/2016	6/1/2010 [1]	6/1/2015	0	07AP
SPSM	AG2-2006-073	1090695	OKGE	EDDY	30	1/1/2007	1/1/2013	6/1/2011 [2]	6/1/2017	6/1/2010 [1]	6/1/2016	0	07AP
SPSM	AG2-2006-074	1090699	WPEK	KCPL	50	10/1/2006	10/1/2007	6/1/2010	6/1/2011	N/A	N/A	0	06WP

Table 1 - Long-Term Transmission Service Requests Included in Aggregate Facility Study

SPSM	AG2-2006-124	1090705	WPEK	KCPL	50	10/1/2006	10/1/2007	6/1/2010	6/1/2011	N/A	N/A	0	06WP
UCU	AG2-2006-006	1052923	KCPL	MPS	160	6/1/2010	6/1/2030					0	11WP
UCU	AG2-2006-071	1090573	EES	MPS	100	6/1/2010	6/1/2040					0	11SP
UCU	AG2-2006-071	1090578	EES	MPS	50	6/1/2010	6/1/2040					0	11SP
WRGS	AG2-2006-015	1076157	KCPL	AECI	30	6/1/2010	6/1/2015					0	11SP
WRGS	AG2-2006-016	1076158	KCPL	AMRN	20	6/1/2010	6/1/2015					0	11SP
WRGS	AG2-2006-030	1086655	OKGE	WR	225	10/1/2006	10/1/2026	6/1/2011 [2]	6/1/2031	5/1/2007 [1]	5/1/2027	0	11WP
WRGS	AG2-2006-030	1086656	OKGE	WR	75	10/1/2006	10/1/2026	6/1/2011 [2]	6/1/2031	5/1/2007 [1]	5/1/2027	0	11WP

Note 1: Disregard Redispatch shown in Table 5 for limitations identified earlier than the start date with redispatch with the exception of limitations identified in the 2006 Fall Peak, 2007 Spring Peak, 2007
Note 2: Reservation being deferred due to impact on limitations requiring upgrades with no cost assignment.

Table 2 - Total Revenue Requirements Associated with Long-Term Transmission Service Requests

Customer	Study Number	Reservation	Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	[1]Letter of Credit Amount Required	[2]Potential Base Plan Engineering and Construction Funding Allowable	[3]Additional Engineering and Construction Cost for 3rd Party Upgrades	[20] Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	[20] Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	[4]Total Cost of Reservation Assignable to Customer contingent upon base plan funding
AECC	AG2-2006-017	1079577	$ 3,706,760	$ 3,706,760			$ 6,235,589	$ 6,235,589		$ 6,235,589
AECC	AG2-2006-039	1089945	$ 3,873,307	$ 3,887,090	$ 900,000		$ 12,778,376	$ 9,779,536		$ 9,779,536
AECC	AG2-2006-064	1090457	$ 482,089	$ 482,089			$ 1,683,746	$ 1,683,746	$ 10,800,000	$ 10,800,000
AEPM	AG2-2006-024	1086238	$ 799,255	$ -	$ 180,000		$ 3,069,114	$ 2,361,425		$ 2,361,425
AEPM	AG2-2006-033	1087745	$ 10,363,205	$ -			$ 21,932,913	$ 21,932,913		$ 21,932,913
AEPM	AG2-2006-034	1087757	$ 8,529,279	$ -	$ 8,529,279		$ 32,743,607	$ -		Sch 9 charges
APM	AG2-2006-031	1087085	$ 17,399	$ 17,399			$ 36,512	$ 36,512		$ 36,512
CALP	AG2-2006-004	1040980	$ 340,542	$ 340,542			$ 714,581	$ 714,581	$ 630,000	$ 714,581
EDE	AG2-2006-018	1080018	$ 10,897,665	$ -			$ 36,273,200	$ 36,273,200		$ 36,273,200
GSEC	AG2-2006-054	1090270	$ 6,678,605	$ 6,853,492			$ 24,350,003	$ 24,350,003		$ 24,350,003
GSEC	AG2-2006-056	1090288	$ 107,196,883	$ 107,219,996	$ 72,000,000		$ 503,397,656	$ 165,284,922		$ 165,284,922
GSEC	AG2-2006-126	1090298	$ 2,177,669	$ 2,177,669			$ 6,333,288	$ 6,333,288		$ 6,333,288
GSEC	AG2-2006-127	1090301	$ 13,500,200	$ 13,500,200			$ 57,492,506	$ 57,492,506		$ 57,492,506
GSEC	AG2-2006-128	1090310	$ 7,124,975	$ 7,124,975			$ 35,415,681	$ 35,415,681		$ 35,415,681
GSEC	AG2-2006-129	1090315	$ 6,223,734	$ 6,223,734			$ 26,127,508	$ 26,127,508		$ 26,127,508
GSEC	AG2-2006-130	1090320	$ 1,834,993	$ 1,834,993			$ 8,542,156	$ 8,542,156		$ 8,542,156
GSEC	AG2-2006-131	1090322	$ 2,054,819	$ 2,054,819			$ 8,097,954	$ 8,097,954		$ 8,097,954
GSEC	AG2-2006-134	1090324	$ 2,703,925	$ 2,703,925			$ 14,759,052	$ 14,759,052		$ 14,759,052
GSEC	AG2-2006-135	1090328	$ 2,703,925	$ 2,703,925			$ 18,735,153	$ 18,735,153		$ 18,735,153
GSEC	AG2-2006-132	1090454	$ 1,290,059	$ 1,290,059			$ 5,256,562	$ 5,256,562		$ 5,256,562
GSEC	AG2-2006-136	1090456	$ 4,007,543	$ 4,007,543			$ 18,122,564	$ 18,122,564		$ 18,122,564
GSEC	AG2-2006-133	1090487	$ 10,800,988	$ 10,800,988	$ 10,800,988		$ 26,136,866	$ (0)		Sch 9 charges
GSEC	AG2-2006-086	1090767	$ 5,130,552	$ 5,221,274			$ 16,904,263	$ 16,904,263		$ 16,904,263
GSEC	AG2-2006-087	1090789	$ 3,945,595	$ 4,022,248			$ 12,864,840	$ 12,864,840		$ 12,864,840
KBPU	AG2-2006-041	1089950	$ 1,955,689	$ 1,961,714			$ 7,480,706	$ 7,480,706	$ 4,488,542	$ 7,480,706
KBPU	AG2-2006-042	1089952	$ 3,016,651	$ 3,016,651			$ 7,074,526	$ 7,074,526	$ 3,706,278	$ 7,074,526
KCPS	AG2-2006-091	1090773	$ -				$ -	$ -	$ 189,070	$ 189,070
KCPS	AG2-2006-091	1090782	$ -				$ -	$ -	$ 453,769	$ 453,769
KCPS	AG2-2006-091	1090787	$ -				$ -	$ -	$ 207,978	$ 207,978
KCPS	AG2-2006-090	1090801	$ -				$ -	$ -	$ 200,700	$ 200,700
KCPS	AG2-2006-090	1090802	$ -				$ -	$ -	$ 200,700	$ 200,700
KCPS	AG2-2006-091	1090815	$ -				$ -	$ -	$ 226,885	$ 226,885
KCPS	AG2-2006-091	1090818	$ -				$ -	$ -	$ 472,676	$ 472,676
KEPC	AG2-2006-067	1090416	$ 2,432,531	$ 2,440,462	$ 2,432,531		$ 9,893,858	$ 0		Sch 9 charges
KEPC	AG2-2006-122	1090729	$ 1,470,212	$ 1,471,934	$ 1,470,212		$ 3,607,543	$ -		Sch 9 charges
KEPC	AG2-2006-120	1090745	$ 2,426,620	$ 2,436,382	$ 2,426,620		$ 9,070,998	$ 0		Sch 9 charges
KEPC	AG2-2006-121	1090754	$ 3,951,469	$ 3,956,597	$ 3,951,469		$ 12,616,953	$ (0)		Sch 9 charges
KEPC	AG2-2006-105	1090808	$ 1,904,474	$ 1,905,055			$ 7,788,057	$ 7,788,057		$ 7,788,057
KEPC	AG2-2006-123	1090823	$ 572,747	$ 572,747			$ 2,235,675	$ 2,235,675		$ 2,235,675
KEPC	AG2-2006-105	1090825	$ 528,494	$ 528,494			$ 1,944,987	$ 1,944,987		$ 1,944,987
KMEA	AG2-2006-065	1090401	$ 186,088	$ 186,088	$ 180,000		$ 356,011	$ 11,647		$ 11,647
KMEA	AG2-2006-065	1090528	$ 186,088	$ 186,088	$ 180,000		$ 356,011	$ 11,647		$ 11,647
KMEA	AG2-2006-084	1090548	$ 186,088	$ 186,088	$ 180,000		$ 421,673	$ 13,795		$ 13,795
KMEA	AG2-2006-081	1090662	$ 2,146,329	$ 2,151,909	$ 2,146,329 [5]		$ 6,912,173	$ -		Sch 9 charges
KMEA	AG2-2006-082	1090674	$ 332,118	$ 332,457	[5]		$ 1,157,061	$ 1,157,061		$ 1,157,061
KMEA	AG2-2006-083	1090676	$ 332,044	$ 332,407			$ 1,156,843	$ 1,156,843		$ 1,156,843
KPP	AG2-2006-078	1090609	$ 33,002,167	$ 33,042,167	$ 31,154,045 [7]		$ 80,300,699	$ 4,265,005		$ 4,265,005
KPP	AG2-2006-125	1090612	$ 12,648,811	$ 12,748,811	$ 1,260,000 [6]		$ 48,151,107	$ 43,354,578		$ 43,354,578
KPP	AG2-2006-079	1090613	$ 1,185,788	$ 1,186,273	[6]		$ 3,171,481	$ 3,171,481		$ 3,171,481

Table 2 - Total Revenue Requirements Associated with Long-Term Transmission Service Requests

Customer	Study Number	Reservation	Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	[1]Letter of Credit Amount Required	[2]Potential Base Plan Engineering and Construction Funding Allowable	[3]Additional Engineering and Construction Cost for 3rd Party Upgrades	[20] Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	[20] Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	[4]Total Cost of Reservation Assignable to Customer contingent upon base plan funding
MECB	AG2-2006-140	1103355	$ 3,922,876	$ 3,922,876		$ 2,853,476	$ 6,002,035	$ 6,002,035	$ 1,080,000	$8,855,511
MECB	AG2-2006-140	1103357	$ 1,961,168	$ 1,961,168		$ 1,426,524	$ 3,000,618	$ 3,000,618	$ 540,000	$4,427,142
MIDW	AG2-2006-047	1090244	$ 493,277	$ 493,277	[15]		$ 1,245,924	$ 1,245,924		$ 1,245,924
MIDW	AG2-2006-052	1090245	$ 541,667	$ 541,667	[14]		$ 1,276,212	$ 1,276,212		$ 1,276,212
MIDW	AG2-2006-051	1090325	$ 2,223,555	$ 2,223,555	[11]		$ 12,616,751	$ 12,616,751		$ 12,616,751
MIDW	AG2-2006-051	1090327	$ 555,918	$ 555,918	[11]		$ 3,154,311	$ 3,154,311		$ 3,154,311
MIDW	AG2-2006-050	1090329	$ 3,339,806	$ 3,339,806	[12]		$ 16,779,501	$ 16,779,501		$ 16,779,501
MIDW	AG2-2006-050	1090331	$ 834,940	$ 834,940	[12]		$ 4,194,827	$ 4,194,827		$ 4,194,827
MIDW	AG2-2006-050	1090332	$ 4,545,787	$ 4,545,787	[12]		$ 22,838,513	$ 22,838,513		$ 22,838,513
MIDW	AG2-2006-050	1090334	$ 1,020,481	$ 1,020,481	[12]		$ 5,127,006	$ 5,127,006		$ 5,127,006
MIDW	AG2-2006-058	1090377	$ 5,320,156	$ 5,320,156	[12]		$ 30,164,686	$ 30,164,686		$ 30,164,686
MIDW	AG2-2006-058	1090378	$ 1,330,032	$ 1,330,032	[12]		$ 7,541,099	$ 7,541,099		$ 7,541,099
MIDW	AG2-2006-058	1090382	$ 2,660,076	$ 2,660,076	[12]		$ 15,082,334	$ 15,082,334		$ 15,082,334
MIDW	AG2-2006-058	1090383	$ 665,038	$ 665,038	[12]		$ 3,770,665	$ 3,770,665		$ 3,770,665
MIDW	AG2-2006-059	1090388	$ 203,262	$ 203,262	[9]		$ 749,134	$ 749,134		$ 749,134
MIDW	AG2-2006-059	1090390	$ 87,114	$ 87,114	[9]		$ 321,054	$ 321,054		$ 321,054
MIDW	AG2-2006-060	1090392	$ 182,767	$ 182,767	[15]		$ 942,617	$ 942,617		$ 942,617
MIDW	AG2-2006-060	1090394	$ 182,767	$ 182,767	[15]		$ 942,617	$ 942,617		$ 942,617
MIDW	AG2-2006-061	1090396	$ 99,529	$ 99,529	[13]		$ 543,879	$ 543,879		$ 543,879
MIDW	AG2-2006-061	1090399	$ 49,794	$ 49,794	[13]		$ 272,066	$ 272,066		$ 272,066
MIDW	AG2-2006-110	1090759	$ 160,982	$ 160,982	[17]		$ 544,302	$ 544,302		$ 544,302
MIDW	AG2-2006-107	1090817	$ 1,486,045	$ 1,486,045	[18]		$ 4,565,817	$ 4,565,817		$ 4,565,817
MIDW	AG2-2006-108	1090826	$ 2,377,710	$ 2,377,710	[11]		$ 9,700,724	$ 9,700,724		$ 9,700,724
MIDW	AG2-2006-108	1090829	$ 875,301	$ 875,301	[11]		$ 2,899,950	$ 2,899,950		$ 2,899,950
MIDW	AG2-2006-108	1090839	$ 2,377,710	$ 2,377,710	[11]		$ 7,305,448	$ 7,305,448		$ 7,305,448
MIDW	AG2-2006-108	1090841	$ 2,377,710	$ 2,377,710	[11]		$ 7,305,448	$ 7,305,448		$ 7,305,448
MIDW	AG2-2006-108	1090844	$ 594,408	$ 594,408	[11]		$ 2,425,089	$ 2,425,089		$ 2,425,089
MIDW	AG2-2006-109	1090851	$ 291,752	$ 291,752	[8]		$ 1,187,093	$ 1,187,093		$ 1,187,093
MIDW	AG2-2006-108	1090852	$ 594,408	$ 594,408	[11]		$ 1,826,293	$ 1,826,293		$ 1,826,293
MIDW	AG2-2006-108	1090853	$ 1,129,399	$ 1,129,399	[11]		$ 3,470,044	$ 3,470,044		$ 3,470,044
MIDW	AG2-2006-108	1090854	$ 356,656	$ 356,656	[11]		$ 1,095,819	$ 1,095,819		$ 1,095,819
MIDW	AG2-2006-109	1090855	$ 875,301	$ 875,301	[8]		$ 2,682,856	$ 2,682,856		$ 2,682,856
MIDW	AG2-2006-109	1090856	$ 291,752	$ 291,752	[8]		$ 894,229	$ 894,229		$ 894,229
MIDW	AG2-2006-097	1090917	$ 303,700	$ 303,700	[11]		$ 1,871,267	$ 1,871,267		$ 1,871,267
MIDW	AG2-2006-097	1090919	$ 75,922	$ 75,922	[11]		$ 467,799	$ 467,799		$ 467,799
MIDW	AG2-2006-097	1090920	$ 607,387	$ 607,387	[11]		$ 3,742,458	$ 3,742,458		$ 3,742,458
MIDW	AG2-2006-097	1090921	$ 151,843	$ 151,843	[11]		$ 935,592	$ 935,592		$ 935,592
MIDW	AG2-2006-097	1090922	$ 560,019	$ 560,019	[11]		$ 3,599,228	$ 3,599,228		$ 3,599,228
MIDW	AG2-2006-097	1090923	$ 123,223	$ 123,223	[11]		$ 791,949	$ 791,949		$ 791,949
MIDW	AG2-2006-097	1090934	$ 911,087	$ 911,087	[11]		$ 5,613,725	$ 5,613,725		$ 5,613,725
MIDW	AG2-2006-097	1090935	$ 227,765	$ 227,765	[11]		$ 1,403,392	$ 1,403,392		$ 1,403,392
MIDW	AG2-2006-098	1090958	$ 214,734	$ 214,734	[14]		$ 1,109,487	$ 1,109,487		$ 1,109,487
MIDW	AG2-2006-118	1090959	$ 7,272,020	$ 7,287,440	[8]		$ 41,117,136	$ 41,117,136		$ 41,117,136
MIDW	AG2-2006-106	1090964	$ 2,080,531	$ 2,080,531	$ 2,080,531		$ 5,471,729	$ -		Sch 9 charges
MIDW	AG2-2006-106	1090965	$ 594,408	$ 594,408	$ 594,408		$ 1,563,264	$ -		Sch 9 charges
MIDW	AG2-2006-096	1091026	$ 148,843	$ 148,843	[10]		$ 627,333	$ 627,333		$ 627,333
MIDW	AG2-2006-096	1091027	$ 347,220	$ 347,220	[10]		$ 1,463,458	$ 1,463,458		$ 1,463,458
MIDW	AG2-2006-096	1091028	$ 197,123	$ 197,123	[10]		$ 827,577	$ 827,577		$ 827,577
MIDW	AG2-2006-096	1091032	$ 495,991	$ 495,991	[10]		$ 2,090,492	$ 2,090,492		$ 2,090,492
MIDW	AG2-2006-099	1091034	$ 239,510	$ 239,510	[16]		$ 1,234,404	$ 1,234,404		$ 1,234,404

Table 2 - Total Revenue Requirements Associated with Long-Term Transmission Service Requests

Customer	Study Number	Reservation	Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	[1]Letter of Credit Amount Required	[2]Potential Base Plan Engineering and Construction Funding Allowable	[3]Additional Engineering and Construction Cost for 3rd Party Upgrades	[20] Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	[20] Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	[4]Total Cost of Reservation Assignable to Customer contingent upon base plan funding
MIDW	AG2-2006-099	1091035	$ 239,510	$ 239,510	[16]		$ 1,234,404	$ 1,234,404		$ 1,234,404
MIDW	AG2-2006-099	1091036	$ 227,986	$ 227,986	[16]		$ 1,293,324	$ 1,293,324		$ 1,293,324
MIDW	AG2-2006-099	1091041	$ 479,292	$ 479,292	[16]		$ 2,470,195	$ 2,470,195		$ 2,470,195
MIDW	AG2-2006-098	1091043	$ 71,575	$ 71,575	[14]		$ 369,840	$ 369,840		$ 369,840
MIDW	AG2-2006-098	1091044	$ 143,176	$ 143,176	[14]		$ 739,756	$ 739,756		$ 739,756
MIDW	AG2-2006-098	1091045	$ 99,635	$ 99,635	[14]		$ 608,394	$ 608,394		$ 608,394
MIDW	AG2-2006-108	1091052	$ 594,408	$ 594,408	[11]		$ 1,563,264	$ 1,563,264		$ 1,563,264
MIDW	AG2-2006-108	1091053	$ 1,188,854	$ 1,188,854	[11]		$ 3,126,645	$ 3,126,645		$ 3,126,645
MIDW	AG2-2006-108	1091055	$ 1,783,304	$ 1,783,304	[11]		$ 4,690,033	$ 4,690,033		$ 4,690,033
MIDW	AG2-2006-108	1091057	$ 594,408	$ 594,408	[11]		$ 1,826,293	$ 1,826,293		$ 1,826,293
MIDW	AG2-2006-096	1091066	$ 1,067,316	$ 1,067,316	[10]		$ 2,331,985	$ 2,331,985		$ 2,331,985
MIDW	AG2-2006-110	1091068	$ 482,954	$ 482,954	[17]		$ 1,633,011	$ 1,633,011		$ 1,633,011
OGE	AG2-2006-035	1087908	$ 5,760,802	$ 20,188		$ 1,075,000	$ 10,334,754	$ 10,334,754	$ 540,000	$11,409,754
PNMM	AG2-2006-089	1090813	$ 23,183,421	$ 23,187,694			$ 112,564,311	$ 112,564,311	$ 39,177,000	$ 112,564,311
PNMM	AG2-2006-089	1090814	$ 23,183,421	$ 23,187,694			$ 112,564,311	$ 112,564,311	$ 39,177,000	$ 112,564,311
SEPC	AG2-2006-043	1090236	$ 16,093,154	$ 14,760,402			$ 91,652,453	$ 91,652,453	$ 52,812,000	$ 91,652,453
SHDY	AG2-2006-019	1085305	$ 21,608,260	$ 21,608,260			$ 42,785,449	$ 42,492,550	$ 4,032,000	$ 42,492,550
SPSM	AG2-2006-072	1090680	$ 13,536,837	$ 2,101,500			$ 31,793,260	$ 31,793,260	$ 2,357,875	$ 31,793,260
SPSM	AG2-2006-073	1090695	$ 8,286,109	$ 1,271,149			$ 19,757,289	$ 19,757,289	$ 3,134,160	$ 19,757,289
SPSM	AG2-2006-074	1090699	$ 1,612,790	$ 1,203,278			$ 3,497,710	$ 3,497,710	$ 528,000	$ 3,497,710
SPSM	AG2-2006-124	1090705	$ 1,612,790	$ 1,203,278			$ 3,497,710	$ 3,497,710	$ 528,000	$ 3,497,710
UCU	AG2-2006-006	1052923	$ 3,440,181	$ 2,373,070	$ 3,440,181 [19]		$ 12,494,574	$ -	$ 61,862,400	$65,302,581
UCU	AG2-2006-071	1090573	$ 1,395,513	$ 706,920	[19]		$ 5,972,051	$ 5,972,051	$ 57,996,000	$ 57,996,000
UCU	AG2-2006-071	1090578	$ 743,070	$ 398,774	[19]		$ 3,230,030	$ 3,230,030	$ 28,998,000	$ 28,998,000
WRGS	AG2-2006-015	1076157	$ 345,910	$ 354,974			$ 850,640	$ 850,640	$ 1,620,000	$ 1,620,000
WRGS	AG2-2006-016	1076158	$ 230,607	$ 236,650			$ 567,094	$ 567,094	$ 1,080,000	$ 1,080,000
WRGS	AG2-2006-030	1086655	$ 40,086,975	$ 23,621,441	$ 40,086,975 [21]		$ 155,614,795	$ 0		Sch 9 charges
WRGS	AG2-2006-030	1086656	$ 13,362,344	$ 7,873,799	$ 13,362,344 [21]		$ 51,871,748	$ (0)		Sch 9 charges
Totals			**$ 524,863,446**		**$ 197,355,912**	**$ 5,355,000**	**$ 2,039,034,622**	**$ 1,286,995,523**		

Note 1: Letter of Credit required for financial security for transmission owner for network upgrades is determined by allocated engineering and construction costs less engineering and construction costs for upgrades when network customer is the transmission
Note 2. If potential base plan funding is applicable, this value is the lesser of the Engineering and Construction costs of assignable upgrades or the value of base plan funding calculated pursuant to Attachment J, Section III B criteria. Allocation of base plan
Note 3. Additional Engineering and Construction costs assignable to customer based on 3rd party upgrades.
Note 4. For PTP requests, total cost is based on the higher of the base rate or assigned upgrade revenue requirements. For Network requests, the total cost is based on the assigned upgrade revenue requirement. Allocation of base plan funding will be

Note 5: KMEA Additional 15 MW potential base plan funding for year 2007.
Note 6: KPP Potential base plan funding is based on assumption that 1032991from 2006-AG1 will be confirmed. If confirmed, then 7MW additional beyond the 85MW previously allocated is available for base funding in 2008.

Note 7: KPP has 236MW of 250MW resources forecast eligible for potential base base plan funding for year 2007.
Note 8: Midwest has a load estimate of 336MW for the combined M and W system for 2011. Thus total Base plan funding available for 2011 is capped at 420MW of Total resources.
Note 9: Kaw Valley has a load estimate of 39MW for 2010. Thus 10MW is the cap for additional resources eligible for base plan funding up to a total of 49MW.This equates to $1,800,000 of potential base funding for a new or changed designated resource.
Note 10: Kaw Valley has a load estimate of 38MW for 2008. Thus 9MW is the cap for additional resources eligible for base plan funding up to a total of 47MW.This equates to $1,620,000 of potential base funding for a new or changed designated resource.
Note 11: Total Base plan funding available for 2008 to serve combined M and W system Midwest load based on 333MW of load is up to 416 MW of resources or 102 Additional MW more than forecast. This equates to $18,360,000 potential base plan funding for the full 102
Note 12: Midwest has a load estimate of 335MW for the combined M and W system for 2010. Thus total Base plan funding available for 2010 is capped at 419MW of Total resources.
Note 13: NMEC has a load estimate of 12MW for 2010. Thus 3MW is the cap for additional resources eligible for base plan funding up to a total of 15MW. This equates to $540,000 of potential base funding for a new or changed designated resource.
Note 14: NMEC has a load estimate of 12MW for 2008. Thus 3MW is the cap for additional resources eligible for base plan funding up to a total of 15MW. This equates to $540,000 of potential base funding for a new or changed designated resource.
Note 15: Doniphan has a load estimate of 5MW for 2010. Thus 1MW is the cap for additional resources eligible for base plan funding up to a total of 6MW of resources. This equates to $180,000 of potential base funding for a new or changed designated resource.
Note 16: Doniphan has a load estimate of 5MW for 2008. Thus 1MW is the cap for additional resources eligible for base plan funding up to a total of 6MW of resources. This equates to $180,000 of potential base funding for a new or changed designated resource.
Note 17: Midwest has a load estimate of 343MW for the combined M and W system for 2015. Thus total Base plan funding available for 2015 is capped at 429MW of Total resources.

Note 18: Midwest has up to 425MW of resources allowable for base funding for year 2007 based on 332MW load.

Note 19: UCU has up to 161MW of resources in 2010 allowable for base funding for year 2010.
Note 20: Revenue Requirements are based upon deferred end dates as applicable without redispatch. If a restudy is required, deferred terms with redispatch will be utilized if that option is selected by the Customer.
Note 21: Revenue Requirements include expediting of Coffeyville Tap - North Bartlesville and Bartlesville Southeast - North Bartlesville to 6/1/2011 EOC

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer AECC **Study Number** AG2-2006-017

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	Allocated E & C Cost	Total Revenue Requirements
AECC	1079577	CSWS	EES	25	1/1/2007	1/1/2009	6/1/2009	6/1/2011			$ 3,706,760	$ 6,235,589
									$ -	$ -	$ 3,706,760	$ 6,235,589

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1079577	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2008	6/1/2009		No	$ 408,191	$ 1,200,000	$ 642,513
	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	10/1/2006	6/1/2008		Yes	$ 747,374	$ 4,000,000	$ 1,577,365
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2009		No	$ 2,551,195	$ 7,500,000	$ 4,015,711
					Total	$ 3,706,760	$ 12,700,000	$ 6,235,589

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1079577	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No

Third Party Limitations

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1079577	COUCH SES - MC NIEL 115KV CKT 1	12/1/2006	12/1/2006				
					Total		

Customer AECC **Study Number** AG2-2006-039

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	Allocated E & C Cost	Total Revenue Requirements
AECC	1089945	WR	CSWS	50	12/1/2007	12/1/2027	6/1/2009	6/1/2029			$ 3,887,090	$ 12,778,376
									$ -	$ -	$ 3,887,090	$ 12,778,376

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1089945	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2011	6/1/2011			$ 3,783	$ 20,000	$ -
	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	10/1/2006	6/1/2008		Yes	$ 1,358,029	$ 4,000,000	$ 5,393,087
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2012	6/1/2012			$ 2,033,568	$ 2,244,000	$ 5,509,257
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	3/1/2008	10/1/2007	No	$ 481,710	$ 4,000,000	$ 1,876,032
	SUB 389 - JOPLIN SOUTHWEST - SUB 422 - JOPLIN 24TH & CONNECTICUT 161KV CKT 1	6/1/2008	6/1/2008			$ 10,000	$ 10,000	$ -
					Total	$ 3,887,090	$ 10,274,000	$ 12,778,376

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1089945	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No
	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2008	10/1/2007	No
	BONANZA - BONANZA TAP 161KV CKT 1	6/1/2013	6/1/2013		
	Siloam Springs - South Fayetteville 161 kV	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1089945	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		

Third Party Limitations

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1087908	HUBEN (HUBEN) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016				
					Total		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer AECC **Study Number** AG2-2006-064

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	Allocated E & C Cost	Total Revenue Requirements
AECC	1090457	WR	EES	50	12/1/2007	12/1/2027					$ 482,089	$ 1,683,746
									$ -	$ -	$ 482,089	$ 1,683,746

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090457	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	3/1/2008	10/1/2007	No	$ 482,089	$ 4,000,000	$ 1,683,746
					Total	$ 482,089	$ 4,000,000	$ 1,683,746

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090457	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	12/1/2011	12/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090457	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		

Customer AEPM **Study Number** AG2-2006-024

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	Allocated E & C Cost	Total Revenue Requirements
AEPM	1086238	WFEC	CSWS	16	7/1/2007	7/1/2027	6/1/2010	6/1/2030			$ 800,674	$ 3,069,114
									$ -	$ -	$ 800,674	$ 3,069,114

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1086238	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2011	6/1/2011			$ 1,419	$ 20,000	$ -
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 44,327	$ 1,300,000	$ 140,713
	SW SHREVEPORT EXPANSION	6/1/2008	6/1/2010		Yes	$ 754,928	$ 40,000,000	$ 2,928,401
					Total	$ 800,674	$ 41,320,000	$ 3,069,114

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1086238	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2008	10/1/2007	Yes
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	6/1/2008	6/1/2008		
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2008	10/1/2007	Yes
	WOODWARD - WOODWARD 69KV CKT 1	6/1/2007	1/1/2008		Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1086238	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	6/1/2006	4/1/2008		Yes
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	6/1/2006	4/1/2008		Yes
	FT SUPPLY 138/69KV TRANSFORMER CKT 1	12/1/2006	6/1/2008		Yes
	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2006	4/1/2008		Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1086238	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	12/1/2007	4/1/2008		Yes
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	12/1/2007	4/1/2008		Yes
	FT SUPPLY 138/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008		Yes
	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2007	4/1/2008		Yes

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer **Study Number**
AEPM AG2-2006-033

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	Allocated E & C Cost	Total Revenue Requirements
AEPM	1087745	EES	CSWS	225	1/1/2007	1/1/2010	6/1/2010	6/1/2013			$ 10,363,205	$ 21,932,913
									$ -	$ -	$ 10,363,205	$ 21,932,913

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1087745	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 770,492	$ 1,300,000	$ 1,352,750
	SW SHREVEPORT EXPANSION	6/1/2008	6/1/2010		Yes	$ 9,592,713	$ 40,000,000	$ 20,580,164
					Total	$ 10,363,205	$ 41,300,000	$ 21,932,913

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1087745	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2008	10/1/2007	Yes

Third Party Limitations

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1087745	AMELIA BULK - HELBIG BULK 230KV CKT 1	6/1/2016	6/1/2016				
	COUCH SES - MC NIEL 115KV CKT 1	12/1/2006	12/1/2006				
	Entergy Project (Reduce Load MVAR)	6/1/2016	6/1/2016				
	HARTBURG - INLAND-ORANGE 230KV CKT 1	4/1/2007	4/1/2007				
	HELBIG BULK - MCLEWIS 230KV CKT 1	4/1/2007	4/1/2007				
	INLAND-ORANGE - MCLEWIS 230KV CKT 1	4/1/2007	4/1/2007				
					Total		

Customer **Study Number**
AEPM AG2-2006-034

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	Allocated E & C Cost	Total Revenue Requirements
AEPM	1087757	CSWS	CSWS	172	6/1/2008	6/1/2028	6/1/2010	6/1/2030			$ 8,544,078	$ 32,743,607
									$ -	$ -	$ 8,544,078	$ 32,743,607

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1087757	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2011	6/1/2011			$ 14,799	$ 20,000	$ -
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2011	6/1/2011			$ 485,181	$ 1,300,000	$ 1,540,177
	SW SHREVEPORT EXPANSION	6/1/2008	6/1/2010		Yes	$ 8,044,098	$ 40,000,000	$ 31,203,430
					Total	$ 8,544,078	$ 41,320,000	$ 32,743,607

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1087757	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No
	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2008	10/1/2007	No
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2008	10/1/2007	No
	Siloam Springs - South Fayetteville 161 kV	6/1/2015	6/1/2015		

Customer **Study Number**
APM AG2-2006-031

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	Allocated E & C Cost	Total Revenue Requirements
APM	1087085	AECI	OKGE	3	12/1/2006	12/1/2007	6/1/2010	6/1/2011			$ 17,399	$ 36,512
									$ -	$ -	$ 17,399	$ 36,512

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1087085	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 76	$ 1,515,113	$ 160
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 4,997	$ 14,795,676	$ 10,417
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 12,149	$ 38,504,390	$ 25,562
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 177	$ 3,200,000	$ 372
					Total	$ 17,399	$ 58,015,179	$ 36,512

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer **Study Number**
CALP AG2-2006-004

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	Allocated E & C Cost	Total Revenue Requirements
CALP	1040980	NPPD	ERCOTE	50	1/1/2007	1/1/2008	6/1/2010	6/1/2011			$ 340,542	$ 714,581
									$ -	$ -	$ 340,542	$ 714,581

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1040980	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 100,163	$ 14,795,676	$ 208,810
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 240,379	$ 38,504,390	$ 505,771
					Total	$ 340,542	$ 53,300,066	$ 714,581

Third Party Limitations

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1040980	4TAMINA 138 - KINDER MORGAN PIPE 138KV CKT 1	6/1/2007	6/1/2007				
	4TAMINA 138 - TAMINA 138KV CKT 1	6/1/2007	6/1/2007				
	CHINA - SABINE 230KV CKT 1	6/1/2009	6/1/2009				
	CONROE BULK - PLANTATION 138KV CKT 1	6/1/2008	6/1/2008				
	COUCH SES - MC NIEL 115KV CKT 1	12/1/2006	12/1/2006				
	HARTBURG - INLAND-ORANGE 230KV CKT 1	4/1/2007	4/1/2007				
	HELBIG BULK - MCLEWIS 230KV CKT 1	4/1/2007	4/1/2007				
	INLAND-ORANGE - MCLEWIS 230KV CKT 1	4/1/2007	4/1/2007				
	KINDER MORGAN PIPE - PLANTATION 138KV CKT 1	6/1/2007	6/1/2007				
					Total		

Customer **Study Number**
EDE AG2-2006-018

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	Allocated E & C Cost	Total Revenue Requirements
EDE	1080018	EES	EDE	50	6/1/2010	6/1/2040					$ 10,952,665	$ 36,273,200
									$ -	$ -	$ 10,952,665	$ 36,273,200

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1080018	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			$ 5,000,000	$ 5,000,000	$ 17,255,427
	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1	6/1/2016	6/1/2016			$ 5,897,665	$ 6,920,000	$ 19,017,773
	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST 69KV CKT 1	6/1/2013	6/1/2013			$ 55,000	$ 55,000	$ -
					Total	$ 10,952,665	$ 11,975,000	$ 36,273,200

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1080018	BULL SHOALS - BULL SHOALS 161KV CKT 1	6/1/2009	6/1/2009		
	JAMESVILLE - SUB 415 - BLACKHAWK JCT 69KV CKT 1	6/1/2011	6/1/2011		
	SUB 124 - AURORA HT - SUB 152 - MONETT HT 69KV CKT 1	6/1/2011	6/1/2011		
	SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 69KV CKT 1	6/1/2016	6/1/2016		

Third Party Limitations

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1080018	HUBEN (HUBEN) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016				
					Total		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer GSEC
Study Number AG2-2006-054

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090270	CSWS	CSWS	10	10/1/2006	10/1/2036	6/1/2011	6/1/2041			$ 6,853,492	$ 24,350,003
									$ -	$ -	$ 6,853,492	$ 24,350,003

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090270	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2011	6/1/2011			$ 664,691	$ 3,125,000	$ 2,126,574
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 63,455	$ 6,000,000	$ 226,503
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2014	6/1/2014			$ 7,201	$ 50,000	$ -
	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 28,239	$ 2,500,000	$ 168,430
	CLINTON CITY - THOMAS TAP 69KV CKT 1	6/1/2015	6/1/2015			$ 2,922,872	$ 7,000,000	$ 10,900,915
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 20,497	$ 2,500,000	$ 113,513
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 4,099	$ 500,000	$ 22,708
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 97,297	$ 9,200,000	$ 347,302
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 2,274	$ 1,515,113	$ 13,198
	ELDORADO - ELDORADO JCT 69KV CKT 1	6/1/2015	6/1/2015			$ 1,007,934	$ 2,600,000	$ 2,793,477
	ELDORADO - LAKE PAULINE 69KV CKT 1	6/1/2015	6/1/2015			$ 38,767	$ 100,000	$ -
	ELDORADO JCT - GYPSUM 69KV CKT 1	6/1/2015	6/1/2015			$ 697,800	$ 1,800,000	$ 1,933,944
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2016	6/1/2016			$ 3,388	$ 100,000	$ -
	GSEC Midway Interconnection #1	10/1/2006	10/1/2006			$ 70,000	$ 70,000	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 70,989	$ 14,795,676	$ 408,220
	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	6/1/2012	6/1/2012			$ 37,753	$ 100,000	$ -
	LAKE PAULINE - RUSSELL 138KV CKT 1	6/1/2016	6/1/2016			$ 17,778	$ 50,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 464,750	$ 94,396,814	$ 2,113,191
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 12,308	$ 2,500,000	$ 40,405
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 27,993	$ 5,000,000	$ 91,895
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 4,347	$ 3,200,000	$ 25,229
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 30,791	$ 31,000,000	$ 143,023
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 20,858	$ 21,000,000	$ 68,472
	THOMAS TAP - WEATHERFORD 69KV CKT 1	6/1/2011	6/1/2011			$ 207,925	$ 450,000	$ 1,002,440
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 116,525	$ 24,875,000	$ 529,832
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 44,390	$ 10,318,679	$ 201,839
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 168,571	$ 42,000,000	$ 1,078,893
					Total	$ 6,853,492	$ 286,746,282	$ 24,350,003

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090270	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	ELK CITY - ELK CITY 69KV CKT 1 AEPW	12/1/2011	12/1/2011		
	GYPSUM - RUSSELL 69KV CKT 1	6/1/2015	6/1/2015		
	SNYDER AEPW- SNYDER WFEC INTERCONNECTION	6/1/2015	6/1/2015		
	Stateline Project	6/1/2014	6/1/2014		
	WEATHERFORD SOUTHEAST (WTH_SE) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090270	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2006	4/1/2008		Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090270	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2007	4/1/2008		Yes
1090270	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
GSEC	AG2-2006-056

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090288	SECI	SPS	400	6/1/2011	6/1/2041					$ 107,219,996	$ 503,397,656
									$ -	$ -	$ 107,219,996	$ 503,397,656

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090288	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2011	6/1/2011			$ 847,036	$ 3,125,000	$ 2,709,958
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 770,363	$ 1,515,113	$ 4,471,069
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No	$ 33,068	$ 153,114	$ 252,030
	Hart Interchange 115/69 kV	6/1/2016	6/1/2016			$ 1,607,463	$ 3,500,000	$ 5,433,357
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 6,581,966	$ 14,795,676	$ 37,849,345
	LEA COUNTY INTERCHANGE 230KV CAPACITORS	4/1/2008	4/1/2008			$ 483,904	$ 1,381,023	$ 2,622,860
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	6/1/2007			$ 23,113	$ 100,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 48,736,116	$ 94,396,814	$ 221,600,306
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,290,725	$ 2,500,000	$ 4,237,181
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 577,179	$ 5,000,000	$ 1,894,758
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 14,173,529	$ 38,504,390	$ 82,261,001
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 1,647,873	$ 3,200,000	$ 9,564,004
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 11,887,784	$ 31,000,000	$ 55,218,210
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 8,053,015	$ 21,000,000	$ 26,436,368
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	6/1/2010		No	$ 4,478	$ 2,401,645	$ 25,751
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 4,461,195	$ 24,875,000	$ 20,284,796
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 5,151,897	$ 10,318,679	$ 23,425,378
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 889,292	$ 2,500,000	$ 5,111,283
					Total	$ 107,219,996	$ 260,266,454	$ 503,397,656

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	Earliest Service Start Date	Redispatch Available
1090288	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	COX INTERCHANGE - LH-COX3 115KV CKT 1	6/1/2016	6/1/2015		
	HALE CO INTERCHANGE - LH-COX3 115KV CKT 1	6/1/2016	6/1/2015		
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	KRESS INTERCHANGE 115/69KV TRANSFORMERS	6/1/2007	6/1/2007		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No
	SNYDER AEPW- SNYDER WFEC INTERCONNECTION	6/1/2015	6/1/2015		
	Stateline Project	6/1/2014	6/1/2014		
	TUCO INTERCHANGE 115/69KV TRANSFORMER	6/1/2007	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	Earliest Service Start Date	Redispatch Available
1090288	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer GSEC
Study Number AG2-2006-086

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090767	CSWS	CSWS	8	10/1/2006	10/1/2036	6/1/2010	6/1/2040			$ 5,221,274	$ 16,904,263
									$ -	$ -	$ 5,221,274	$ 16,904,263

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090767	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2011	6/1/2011			$ 498,274	$ 3,125,000	$ 1,526,920
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 50,250	$ 6,000,000	$ 165,188
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2014	6/1/2014			$ 5,986	$ 50,000	$ -
	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 18,851	$ 2,500,000	$ 102,716
	CLINTON CITY - THOMAS TAP 69KV CKT 1	6/1/2015	6/1/2015			$ 2,333,333	$ 7,000,000	$ 8,014,281
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 13,611	$ 2,500,000	$ 69,419
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 2,722	$ 500,000	$ 14,024
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 77,050	$ 9,200,000	$ 253,288
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 1,518	$ 1,515,113	$ 8,130
	ELDORADO - ELDORADO JCT 69KV CKT 1	6/1/2015	6/1/2015			$ 866,365	$ 2,600,000	$ 2,299,859
	ELDORADO - LAKE PAULINE 69KV CKT 1	6/1/2015	6/1/2015			$ 33,322	$ 100,000	$ -
	ELDORADO JCT - GYPSUM 69KV CKT 1	6/1/2015	6/1/2015			$ 599,791	$ 1,800,000	$ 1,592,210
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2016	6/1/2016			$ 2,811	$ 100,000	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 47,410	$ 14,795,676	$ 251,587
	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	6/1/2012	6/1/2012			$ 33,320	$ 100,000	$ -
	LAKE PAULINE - RUSSELL 138KV CKT 1	6/1/2016	6/1/2016			$ 15,283	$ 50,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 308,964	$ 94,396,814	$ 1,296,409
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 8,183	$ 2,500,000	$ 25,730
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 18,013	$ 5,000,000	$ 56,639
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 2,905	$ 3,200,000	$ 15,559
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 20,719	$ 31,000,000	$ 90,812
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 14,035	$ 21,000,000	$ 44,131
	THOMAS TAP - WEATHERFORD 69KV CKT 1	6/1/2011	6/1/2011			$ 141,017	$ 450,000	$ 626,120
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 77,835	$ 24,875,000	$ 326,595
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 29,706	$ 10,318,679	$ 124,646
					Total	$ 5,221,274	$ 244,676,282	$ 16,904,263

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090767	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	ELK CITY - ELK CITY 69KV CKT 1 AEPW	12/1/2011	12/1/2011		
	GYPSUM - RUSSELL 69KV CKT 1	6/1/2015	6/1/2015		
	SNYDER AEPW- SNYDER WFEC INTERCONNECTION	6/1/2015	6/1/2015		
	Stateline Project	6/1/2014	6/1/2014		
	WEATHERFORD SOUTHEAST (WTH_SE) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2007	1/1/2008	10/1/2007	No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090767	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2006	4/1/2008		Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090767	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2007	4/1/2008		Yes
1090767	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
GSEC	AG2-2006-087

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090789	CSWS	CSWS	6	10/1/2006	10/1/2036	6/1/2010	6/1/2040			$ 4,022,248	$ 12,864,840
									$ -	$ -	$ 4,022,248	$ 12,864,840

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090789	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2011	6/1/2011			$ 396,667	$ 3,125,000	$ 1,215,554
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 37,045	$ 6,000,000	$ 121,779
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2014	6/1/2014			$ 4,777	$ 50,000	$ -
	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 12,730	$ 2,500,000	$ 69,363
	CLINTON CITY - THOMAS TAP 69KV CKT 1	6/1/2015	6/1/2015			$ 1,743,794	$ 7,000,000	$ 5,989,396
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 9,592	$ 2,500,000	$ 48,921
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 1,918	$ 500,000	$ 9,882
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 56,802	$ 9,200,000	$ 186,726
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 1,017	$ 1,515,113	$ 5,447
	ELDORADO - ELDORADO JCT 69KV CKT 1	6/1/2015	6/1/2015			$ 725,702	$ 2,600,000	$ 1,926,454
	ELDORADO - LAKE PAULINE 69KV CKT 1	6/1/2015	6/1/2015			$ 27,912	$ 100,000	$ -
	ELDORADO JCT - GYPSUM 69KV CKT 1	6/1/2015	6/1/2015			$ 502,409	$ 1,800,000	$ 1,333,699
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2016	6/1/2016			$ 2,234	$ 100,000	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 31,914	$ 14,795,676	$ 169,355
	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	6/1/2012	6/1/2012			$ 28,927	$ 100,000	$ -
	LAKE PAULINE - RUSSELL 138KV CKT 1	6/1/2016	6/1/2016			$ 12,803	$ 50,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 208,205	$ 94,396,814	$ 873,626
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 5,514	$ 2,500,000	$ 17,338
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 11,394	$ 5,000,000	$ 35,827
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 1,952	$ 3,200,000	$ 10,455
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 15,976	$ 31,000,000	$ 70,023
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 10,823	$ 21,000,000	$ 34,031
	THOMAS TAP - WEATHERFORD 69KV CKT 1	6/1/2011	6/1/2011			$ 101,058	$ 450,000	$ 448,701
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 51,430	$ 24,875,000	$ 215,800
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 19,653	$ 10,318,679	$ 82,464
					Total	$ 4,022,248	$ 244,676,282	$ 12,864,840

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090789	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	ELK CITY - ELK CITY 69KV CKT 1 AEPW	12/1/2011	12/1/2011		
	GYPSUM - RUSSELL 69KV CKT 1	6/1/2015	6/1/2015		
	SNYDER AEPW- SNYDER WFEC INTERCONNECTION	6/1/2015	6/1/2015		
	Stateline Project	6/1/2014	6/1/2014		
	WEATHERFORD SOUTHEAST (WTH_SE) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2007	1/1/2008	10/1/2007	No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090789	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2006	4/1/2008		Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090789	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2007	4/1/2008		Yes
1090789	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer **Study Number**
GSEC AG2-2006-126

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090298	SPS	SPS	15	10/1/2007	10/1/2037					$ 2,177,669	$ 6,333,288
									$ -	$ -	$ 2,177,669	$ 6,333,288

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090298	BAILEY COUNTY SUNNYSIDE Interconnection	10/1/2007	6/1/2006			$ -	$ -	$ -
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 23,666	$ 1,515,113	$ 102,297
	Hart Interchange 115/69 kV	6/1/2016	6/1/2016			$ 1,345,111	$ 3,500,000	$ 3,386,175
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 200,725	$ 94,396,814	$ 679,743
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 5,316	$ 2,500,000	$ 14,900
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 4,396	$ 5,000,000	$ 12,321
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 70,115	$ 38,504,390	$ 303,076
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 49,591	$ 3,200,000	$ 214,360
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 30,324	$ 31,000,000	$ 113,841
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 20,542	$ 21,000,000	$ 57,576
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 342,162	$ 24,875,000	$ 1,158,711
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 85,721	$ 10,318,679	$ 290,289
					Total	$ 2,177,669	$ 235,809,996	$ 6,333,288

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090298	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No

Customer **Study Number**
GSEC AG2-2006-127

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090301	SPS	SPS	20	3/1/2007	3/1/2037	6/1/2010	6/1/2040			$ 13,500,200	$ 57,492,506
									$ -	$ -	$ 13,500,200	$ 57,492,506

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090301	Bailey County - Curry County 115 kV	6/1/2011	6/1/2011			$ 10,648,185	$ 10,648,185	$ 43,464,105
	BAILEY COUNTY PROGRESS Interconnection #1	3/1/2007	3/1/2007			$ -	$ -	$ -
	BAILEY COUNTY PROGRESS Interconnection #2	6/1/2011	6/1/2011			$ -	$ -	$ -
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 351,962	$ 1,515,113	$ 1,885,066
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 304,034	$ 94,396,814	$ 1,275,723
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 8,052	$ 2,500,000	$ 25,318
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 5,958	$ 5,000,000	$ 18,734
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 725,939	$ 38,504,390	$ 3,888,042
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 735,111	$ 3,200,000	$ 3,937,166
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 50,983	$ 31,000,000	$ 223,460
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 34,537	$ 21,000,000	$ 108,596
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 510,845	$ 24,875,000	$ 2,143,500
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 124,594	$ 10,318,679	$ 522,795
					Total	$ 13,500,200	$ 242,958,181	$ 57,492,506

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090301	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		No
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
GSEC	AG2-2006-128

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090310	SPS	SPS	20	7/1/2007	7/1/2037	6/1/2011	6/1/2041			$ 7,124,975	$ 35,415,681
									$ -	$ -	$ 7,124,975	$ 35,415,681

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090310	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 479,580	$ 2,500,000	$ 2,860,431
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 4,967	$ 1,515,113	$ 28,828
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 734,079	$ 14,795,676	$ 4,221,293
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			$ 672,224	$ 6,837,000	$ 2,803,321
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 1,887,448	$ 94,396,814	$ 8,582,117
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 49,987	$ 2,500,000	$ 164,097
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 15,668	$ 5,000,000	$ 51,435
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 9,759	$ 3,200,000	$ 56,640
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 418,938	$ 31,000,000	$ 1,945,948
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 283,797	$ 21,000,000	$ 931,646
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	6/1/2010		Yes	$ 675,970	$ 2,401,645	$ 3,887,140
	TRI COUNTY PRAIRIE Interconnection #1	7/1/2007	7/1/2007			$ -	$ -	$ -
	TRI COUNTY PRAIRIE Interconnection #2	7/1/2007	6/1/2008		No	$ 687,484	$ 1,500,000	$ 3,895,699
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 755,771	$ 24,875,000	$ 3,436,447
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 175,366	$ 10,318,679	$ 797,379
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 273,937	$ 42,000,000	$ 1,753,260
					Total	$ 7,124,975	$ 263,839,927	$ 35,415,681

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090310	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	BOOKER 69KV	6/1/2016	6/1/2016		
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	Pringle - Etter 115 kV	6/1/2012	6/1/2012		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No
	Stateline Project	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090310	HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1	6/1/2007	6/1/2008		Yes
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer GSEC
Study Number AG2-2006-129

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090315	SPS	SPS	20	9/1/2007	9/1/2037	6/1/2010	6/1/2040			$ 6,223,734	$ 26,127,508
									$ -	$ -	$ 6,223,734	$ 26,127,508

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090315	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 64,451	$ 2,500,000	$ 351,182
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 7,802	$ 1,515,113	$ 41,787
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 899,900	$ 14,795,676	$ 4,775,423
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			$ 2,635,389	$ 6,837,000	$ 10,141,878
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 1,306,128	$ 94,396,814	$ 5,480,498
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 34,591	$ 2,500,000	$ 108,766
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 8,487	$ 5,000,000	$ 26,686
	RITA BLANCA RITA (Sherman) Interconnection	9/1/2007	9/1/2007			$ -	$ -	$ -
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 15,325	$ 3,200,000	$ 82,079
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 252,673	$ 31,000,000	$ 1,107,474
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 171,166	$ 21,000,000	$ 538,206
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 680,094	$ 24,875,000	$ 2,853,666
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 147,728	$ 10,318,679	$ 619,865
					Total	$ 6,223,734	$ 217,938,282	$ 26,127,508

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	Earliest Service Start Date	Redispatch Available
1090315	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	BOOKER 69KV	6/1/2016	6/1/2016		
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	Pringle - Etter 115 kV	6/1/2012	6/1/2012		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No
	Stateline Project	6/1/2014	6/1/2014		

Customer GSEC
Study Number AG2-2006-130

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090320	SPS	SPS	25	3/1/2011	3/1/2041					$ 1,834,993	$ 8,542,156
									$ -	$ -	$ 1,834,993	$ 8,542,156

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090320	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 7,453	$ 1,515,113	$ 42,389
	Hart Interchange 115/69 kV	6/1/2016	6/1/2016			$ 1,918	$ 3,500,000	$ 6,353
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 320,695	$ 94,396,814	$ 1,428,955
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 8,493	$ 2,500,000	$ 27,580
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 7,277	$ 5,000,000	$ 23,631
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 246,220	$ 38,504,390	$ 1,400,381
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 18,541	$ 3,200,000	$ 105,452
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 47,773	$ 31,000,000	$ 218,681
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 32,362	$ 21,000,000	$ 105,090
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 819,719	$ 24,875,000	$ 3,652,510
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 252,268	$ 10,318,679	$ 1,124,058
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 72,274	$ 2,500,000	$ 407,075
					Total	$ 1,834,993	$ 238,309,996	$ 8,542,156

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090320	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer **Study Number**
GSEC AG2-2006-131

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090322	SPS	SPS	25	3/1/2009	3/1/2039					$ 2,054,819	$ 8,097,954
									$ -	$ -	$ 2,054,819	$ 8,097,954

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090322	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 8,041	$ 1,515,113	$ 38,943
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 378,725	$ 94,396,814	$ 1,436,977
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 10,030	$ 2,500,000	$ 29,880
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 8,417	$ 5,000,000	$ 25,075
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 240,353	$ 38,504,390	$ 1,164,051
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 19,473	$ 3,200,000	$ 94,309
	SOUTH PLAINS ALCOVE Interconnection	3/1/2009	3/1/2009			$ -	$ -	$ -
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 56,863	$ 31,000,000	$ 231,750
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 38,520	$ 21,000,000	$ 114,754
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 936,232	$ 24,875,000	$ 3,552,298
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 307,312	$ 10,318,679	$ 1,166,018
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 50,853	$ 2,500,000	$ 243,898
					Total	$ 2,054,819	$ 234,809,996	$ 8,097,954

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090322	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No

Customer **Study Number**
GSEC AG2-2006-132

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090454	SPS	SPS	5	10/1/2006	10/1/2036	6/1/2010	6/1/2040			$ 1,290,059	$ 5,256,562
									$ -	$ -	$ 1,290,059	$ 5,256,562

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090454	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 3,716	$ 1,515,113	$ 19,902
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 73,142	$ 14,795,676	$ 388,136
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			$ 613,728	$ 6,837,000	$ 2,361,835
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 286,013	$ 94,396,814	$ 1,200,107
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 7,575	$ 2,500,000	$ 23,818
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 5,854	$ 5,000,000	$ 18,407
	RITA BLANCA Masterson (EXELL) Interconnection	10/1/2006	10/1/2006			$ -	$ -	$ -
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 7,519	$ 3,200,000	$ 40,271
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 44,336	$ 31,000,000	$ 194,326
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 30,034	$ 21,000,000	$ 94,437
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 179,301	$ 24,875,000	$ 752,345
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 38,841	$ 10,318,679	$ 162,976
					Total	$ 1,290,059	$ 215,438,282	$ 5,256,562

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090454	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		No
	Pringle - Etter 115 kV	6/1/2012	6/1/2012		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No
	Stateline Project	6/1/2014	6/1/2014		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer GSEC
Study Number AG2-2006-133

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090487	SPS	SPS	150	4/1/2007	4/1/2017	6/1/2010	6/1/2020			$ 10,800,988	$ 26,136,866
									$ -	$ -	$ 10,800,988	$ 26,136,866

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090487	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 285,905	$ 1,515,113	$ 841,182
	Hart Interchange 115/69 kV	6/1/2016	6/1/2016			$ 540,183	$ 3,500,000	$ 925,593
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 783,941	$ 14,795,676	$ 2,285,273
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			$ 2,302,674	$ 6,837,000	$ 4,867,918
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 1,667,795	$ 94,396,814	$ 3,844,272
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 44,170	$ 2,500,000	$ 95,921
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 27,649	$ 5,000,000	$ 60,043
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 556,728	$ 3,200,000	$ 1,637,989
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 276,386	$ 31,000,000	$ 756,100
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 187,229	$ 21,000,000	$ 406,591
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	6/1/2010		Yes	$ 227,596	$ 2,401,645	$ 663,467
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,943,134	$ 24,875,000	$ 4,478,929
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 706,759	$ 10,318,679	$ 1,629,081
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes	$ 1,250,839	$ 2,500,000	$ 3,644,508
					Total	$ 10,800,988	$ 223,839,927	$ 26,136,866

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090487	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	KRESS INTERCHANGE 115/69KV TRANSFORMERS	6/1/2007	6/1/2007		
	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		Yes
	Pringle - Etter 115 kV	6/1/2012	6/1/2012		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		Yes
	TUCO INTERCHANGE 115/69KV TRANSFORMER	6/1/2007	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	Earliest Service Start Date	Redispatch Available
1090487	TERRY COUNTY INTERCHANGE 115/69KV TRANSFORMERS	6/1/2007	6/1/2007		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer **Study Number**
GSEC AG2-2006-134

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090324	SPS	SPS	25	3/1/2013	3/1/2043					$ 2,703,925	$ 14,759,052
									$ -	$ -	$ 2,703,925	$ 14,759,052

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090324	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 10,935	$ 1,515,113	$ 73,043
	Hart Interchange 115/69 kV	6/1/2016	6/1/2016			$ 2,663	$ 3,500,000	$ 10,360
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 370,338	$ 94,396,814	$ 1,938,030
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 9,808	$ 2,500,000	$ 34,719
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 8,443	$ 5,000,000	$ 29,887
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 340,580	$ 38,504,390	$ 2,274,982
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 27,391	$ 3,200,000	$ 182,964
	SOUTH PLAINS MILWAUKEE and SLIDE Interconnection	3/1/2013	3/1/2013			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 55,030	$ 31,000,000	$ 282,934
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 37,279	$ 21,000,000	$ 131,961
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,338,630	$ 24,875,000	$ 7,005,235
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 384,457	$ 10,318,679	$ 2,011,917
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 118,371	$ 2,500,000	$ 783,021
					Total	$ 2,703,925	$ 238,309,996	$ 14,759,052

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090324	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No

Customer **Study Number**
GSEC AG2-2006-135

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090328	SPS	SPS	25	3/1/2016	3/1/2046					$ 2,703,925	$ 18,735,153
									$ -	$ -	$ 2,703,925	$ 18,735,153

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090328	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 10,935	$ 1,515,113	$ 92,967
	Hart Interchange 115/69 kV	6/1/2016	6/1/2016			$ 2,663	$ 3,500,000	$ 13,185
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 370,338	$ 94,396,814	$ 2,466,673
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 9,808	$ 2,500,000	$ 39,514
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 8,443	$ 5,000,000	$ 34,015
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 340,580	$ 38,504,390	$ 2,895,536
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 27,391	$ 3,200,000	$ 232,872
	SOUTH PLAINS MILWAUKEE and SLIDE Interconnection	3/1/2013	3/1/2013			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 55,030	$ 31,000,000	$ 336,801
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 37,279	$ 21,000,000	$ 150,188
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,338,630	$ 24,875,000	$ 8,916,078
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 384,457	$ 10,318,679	$ 2,560,714
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 118,371	$ 2,500,000	$ 996,609
					Total	$ 2,703,925	$ 238,309,996	$ 18,735,153

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090328	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer GSEC
Study Number AG2-2006-136

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	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090456	SPS	SPS	15	7/1/2007	7/1/2037	6/1/2010	6/1/2040			$ 4,007,543	$ 18,122,564
									$ -	$ -	$ 4,007,543	$ 18,122,564

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090456	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 98,611	$ 2,500,000	$ 537,313
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 3,112	$ 1,515,113	$ 16,668
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 745,661	$ 14,795,676	$ 3,956,936
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			$ 612,985	$ 6,837,000	$ 2,358,976
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 971,549	$ 94,396,814	$ 4,076,608
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 25,730	$ 2,500,000	$ 80,904
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 4,896	$ 5,000,000	$ 15,395
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 5,944	$ 3,200,000	$ 31,835
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 205,200	$ 31,000,000	$ 899,398
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 139,006	$ 21,000,000	$ 437,083
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	6/1/2010		Yes	$ 628,362	$ 2,401,645	$ 3,334,475
	TRI COUNTY HILLER Interconnection	7/1/2007	7/1/2007			$ -	$ -	$ -
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 471,884	$ 24,875,000	$ 1,980,020
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 94,603	$ 10,318,679	$ 396,953
					Total	$ 4,007,543	$ 220,339,927	$ 18,122,564

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090456	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	BOOKER 69KV	6/1/2016	6/1/2016		
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	Pringle - Etter 115 kV	6/1/2012	6/1/2012		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No
	Stateline Project	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090456	HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1	6/1/2007	6/1/2008		Yes
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer KBPU
Study Number AG2-2006-041

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	Allocated E & C Cost	Total Revenue Requirements
KBPU	1089950	WR	KACY	25	10/1/2007	10/1/2027	6/1/2011	6/1/2028			$ 1,961,714	$ 7,480,706
									$ -	$ -	$ 1,961,714	$ 7,480,706

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1089950	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 228	$ 1,515,113	$ 916
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 12,503	$ 14,795,676	$ 49,784
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 187,198	$ 2,250,000	$ 501,861
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	3/1/2008	12/1/2007	Yes	$ 578,378	$ 2,200,000	$ 2,479,990
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 167,630	$ 94,396,814	$ 527,774
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 4,439	$ 2,500,000	$ 11,535
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 41,733	$ 5,000,000	$ 108,443
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			$ 6,025	$ 100,000	$ -
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 39,431	$ 38,504,390	$ 158,464
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 621	$ 3,200,000	$ 2,496
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2007	3/1/2008	10/1/2007	No	$ 644,693	$ 1,400,000	$ 2,770,626
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 150,241	$ 31,000,000	$ 519,918
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 101,776	$ 21,000,000	$ 264,464
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 20,362	$ 24,875,000	$ 64,109
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 6,456	$ 10,318,679	$ 20,326
					Total	$ 1,961,714	$ 253,055,672	$ 7,480,706

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1089950	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2009	6/1/2009		
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	10/1/2008		Yes
	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2007	1/1/2008	10/1/2007	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	1/1/2009		Yes
	Stateline Project	6/1/2014	6/1/2014		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1089950	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	KAW WEST 161/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008		No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer KBPU **Study Number** AG2-2006-042

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	Allocated E & C Cost	Total Revenue Requirements
KBPU	1089952	SPA	KACY	39	7/1/2007	7/1/2017	1/1/2009	1/1/2018			$ 3,016,651	$ 7,074,526
									$ -	$ -	$ 3,016,651	$ 7,074,526

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1089952	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 317,661	$ 6,000,000	$ 487,502
	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	10/1/2006	6/1/2008		Yes	$ 1,894,596	$ 4,000,000	$ 5,046,320
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 89,422	$ 2,500,000	$ 212,914
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 17,884	$ 500,000	$ 46,112
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 487,081	$ 9,200,000	$ 747,504
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ 210,007	$ 4,123,803	$ 534,174
					Total	$ 3,016,651	$ 26,323,803	$ 7,074,526

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1089952	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	1/1/2009		Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1089952	KAW WEST 161/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008		No

Customer KCPS **Study Number** AG2-2006-090

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	Allocated E & C Cost	Total Revenue Requirements
KCPS	1090801	KCPL	AECI	1	11/1/2006	6/1/2025			$ -	$ -	$ -	$ -
KCPS	1090802	KCPL	AECI	1	11/1/2006	6/1/2025			$ -	$ -	$ -	$ -
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090801	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -
1090802	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer **Study Number**
KCPS AG2-2006-091

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	Allocated E & C Cost	Total Revenue Requirements
KCPS	1090773	KCPL	KACY	10	11/1/2006	6/1/2010	6/1/2008	6/1/2010	$ -	$ -	$ -	$ -
KCPS	1090782	KCPL	KACY	24	11/1/2006	6/1/2010	6/1/2008	6/1/2010	$ -	$ -	$ -	$ -
KCPS	1090787	KCPL	KACY	11	11/1/2006	6/1/2010	6/1/2008	6/1/2010	$ -	$ -	$ -	$ -
KCPS	1090815	KCPL	KACY	12	11/1/2006	6/1/2010	6/1/2008	6/1/2010	$ -	$ -	$ -	$ -
KCPS	1090818	KCPL	KACY	25	11/1/2006	6/1/2010	6/1/2008	6/1/2010	$ -	$ -	$ -	$ -
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090773	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -
1090782	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -
1090787	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -
1090815	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -
1090818	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090773	KAW WEST 161/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008		No
1090782	KAW WEST 161/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008		No
1090787	KAW WEST 161/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008		No
1090815	KAW WEST 161/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008		No
1090818	KAW WEST 161/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008		No

Customer **Study Number**
KEPC AG2-2006-067

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	Allocated E & C Cost	Total Revenue Requirements
KEPC	1090416	KCPL	WR	30	6/1/2010	6/1/2030	6/1/2011	6/1/2031			$ 2,440,462	$ 9,893,858
									$ -	$ -	$ 2,440,462	$ 9,893,858

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090416	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 140,256	$ 2,500,000	$ 587,061
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 28,051	$ 500,000	$ 119,942
	CRESWELL - NEWKIRK 138KV CKT 1 OKGE	6/1/2012	6/1/2012			$ 119,483	$ 4,500,000	$ 475,947
	CRESWELL - NEWKIRK 138KV CKT 1 WERE	6/1/2012	6/1/2012			$ 125,856	$ 4,740,000	$ 423,819
	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 195,357	$ 4,000,000	$ 698,298
	CRESWELL (CRESWL2X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 134,380	$ 4,000,000	$ 480,338
	EEC - COWSKIN 138KV	6/1/2009	6/1/2009			$ 1,148,619	$ 10,000,000	$ 4,613,799
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ 258,248	$ 4,123,803	$ 1,193,929
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			$ 7,931	$ 100,000	$ -
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	3/1/2008	10/1/2007	No	$ 214,326	$ 4,000,000	$ 965,040
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 67,955	$ 42,000,000	$ 335,686
					Total	$ 2,440,462	$ 80,463,803	$ 9,893,858

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090416	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090416	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
KEPC	AG2-2006-105

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	Allocated E & C Cost	Total Revenue Requirements
KEPC	1090808	WR	WR	6	10/1/2006	10/1/2036	6/1/2011	6/1/2041			$ 1,905,055	$ 7,788,057
KEPC	1090825	WR	WR	5	10/1/2006	10/1/2026	6/1/2011	6/1/2031			$ 528,494	$ 1,944,987
									$ -	$ -	$ 2,433,549	$ 9,733,044

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090808	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 144,235	$ 6,000,000	$ 514,847
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 59,050	$ 2,500,000	$ 327,021
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 11,810	$ 500,000	$ 65,427
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 221,160	$ 9,200,000	$ 789,430
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 44	$ 1,515,113	$ 255
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	Yes	$ 23,444	$ 1,500,000	$ 142,144
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 2,901	$ 14,795,676	$ 16,682
	KEPCO Humbolt Interconnection	10/1/2006	10/1/2006			$ -	$ -	$ -
	LAWRENCE HILL - WREN 115KV CKT 1	6/1/2011	6/1/2011			$ 218,652	$ 1,200,000	$ 1,066,244
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 224,319	$ 2,250,000	$ 848,439
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 26,918	$ 94,396,814	$ 122,395
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 713	$ 2,500,000	$ 2,341
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 6,820	$ 5,000,000	$ 22,389
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			$ 581	$ 100,000	$ -
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 8,125	$ 38,504,390	$ 47,156
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 111	$ 3,200,000	$ 644
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2007	3/1/2008	10/1/2007	Yes	$ 168,970	$ 1,400,000	$ 1,024,489
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 24,395	$ 31,000,000	$ 113,314
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 16,526	$ 21,000,000	$ 54,251
	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1	6/1/2016	6/1/2016			$ 740,688	$ 6,920,000	$ 2,605,159
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 4,243	$ 24,875,000	$ 19,293
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,350	$ 10,318,679	$ 6,138
					Total	$ 1,905,055	$ 278,675,672	$ 7,788,057
1090825	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 873	$ 7,520,000	$ 4,450
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	Yes	$ 23,969	$ 1,500,000	$ 112,167
	KEPCO Louisville Interconnection	10/1/2006	10/1/2006			$ -	$ -	$ -
	LAWRENCE HILL - WREN 115KV CKT 1	6/1/2011	6/1/2011			$ 209,549	$ 1,200,000	$ 788,687
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 190,927	$ 2,250,000	$ 557,363
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 5,384	$ 94,396,814	$ 18,579
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 143	$ 2,500,000	$ 393
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 1,488	$ 5,000,000	$ 4,090
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 5,126	$ 31,000,000	$ 19,059
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 3,472	$ 21,000,000	$ 9,543
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 962	$ 24,875,000	$ 3,320
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 306	$ 10,318,679	$ 1,056
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 86,295	$ 42,000,000	$ 426,282
					Total	$ 528,494	$ 243,560,493	$ 1,944,987

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090808	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2009	6/1/2009		
	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	Stateline Project	6/1/2014	6/1/2014		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1090825	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2009	6/1/2009		
	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2007	1/1/2008	10/1/2007	No
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	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	Earliest Service Start Date	Redispatch Available
1090808	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090825	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer KEPC
Study Number AG2-2006-120

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	Allocated E & C Cost	Total Revenue Requirements
KEPC	1090745	SECI	WPEK	25	6/1/2010	6/1/2030					$ 2,436,382	$ 9,070,998
									$ -	$ -	$ 2,436,382	$ 9,070,998

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090745	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 352,155	$ 7,520,000	$ 1,639,700
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 1,327	$ 1,515,113	$ 5,394
	EEC - COWSKIN 138KV	6/1/2009	6/1/2009			$ 517,574	$ 10,000,000	$ 1,933,513
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No	$ 14,317	$ 153,114	$ 74,200
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 154,067	$ 14,795,676	$ 620,468
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	6/1/2007			$ 9,762	$ 100,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 1,417	$ 94,396,814	$ 4,512
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 38	$ 2,500,000	$ 100
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 116,881	$ 5,000,000	$ 307,701
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 247,777	$ 38,504,390	$ 1,007,126
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 3,504	$ 3,200,000	$ 14,243
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 280,568	$ 3,700,000	$ 1,113,555
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 321,584	$ 31,000,000	$ 1,128,237
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 217,847	$ 21,000,000	$ 573,504
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	6/1/2010		No	$ 23,285	$ 2,401,645	$ 93,775
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 131,978	$ 24,875,000	$ 420,269
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 42,301	$ 10,318,679	$ 134,703
					Total	$ 2,436,382	$ 270,980,431	$ 9,070,998

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090745	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	Stateline Project	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090745	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer KEPC
Study Number AG2-2006-121

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	Allocated E & C Cost	Total Revenue Requirements
KEPC	1090754	SECI	WR	25	6/1/2010	6/1/2030					$ 3,956,597	$ 12,616,953
									$ -	$ -	$ 3,956,597	$ 12,616,953

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090754	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 393,406	$ 6,000,000	$ 977,437
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 149,297	$ 2,500,000	$ 575,502
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 29,859	$ 500,000	$ 118,738
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 603,222	$ 9,200,000	$ 1,498,736
	CRESWELL - NEWKIRK 138KV CKT 1 OKGE	6/1/2012	6/1/2012			$ 160,671	$ 4,500,000	$ 584,044
	CRESWELL - NEWKIRK 138KV CKT 1 WERE	6/1/2012	6/1/2012			$ 169,240	$ 4,740,000	$ 530,031
	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 188,723	$ 4,000,000	$ 627,377
	CRESWELL (CRESWL2X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 129,816	$ 4,000,000	$ 431,551
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 1,681	$ 1,515,113	$ 6,833
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No	$ 7,337	$ 153,114	$ 38,025
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 154,182	$ 14,795,676	$ 620,931
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	6/1/2007			$ 5,128	$ 100,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 161,283	$ 94,396,814	$ 513,588
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 4,271	$ 2,500,000	$ 11,244
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 175,038	$ 5,000,000	$ 460,805
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 313,816	$ 38,504,390	$ 1,275,551
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 4,414	$ 3,200,000	$ 17,941
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	3/1/2008	10/1/2007	No	$ 117,337	$ 4,000,000	$ 491,357
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 100,918	$ 3,700,000	$ 400,536
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 515,754	$ 31,000,000	$ 1,809,459
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 349,382	$ 21,000,000	$ 919,783
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	6/1/2010		No	$ 1,323	$ 2,401,645	$ 5,328
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 167,005	$ 24,875,000	$ 531,809
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 53,494	$ 10,318,679	$ 170,346
					Total	$ 3,956,597	$ 292,900,431	$ 12,616,953

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090754	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	Stateline Project	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090754	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
KEPC	AG2-2006-122

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	Allocated E & C Cost	Total Revenue Requirements
KEPC	1090729	WR	KCPL	14	6/1/2007	6/1/2012	6/1/2010	6/1/2015			$ 1,471,934	$ 3,607,543
									$ -	$ -	$ 1,471,934	$ 3,607,543

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090729	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 76	$ 1,515,113	$ 187
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 4,271	$ 14,795,676	$ 10,389
	LAWRENCE HILL - WREN 115KV CKT 1	6/1/2011	6/1/2011			$ 592,236	$ 1,200,000	$ 1,303,898
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	3/1/2008	12/1/2007	Yes	$ 181,581	$ 2,200,000	$ 495,938
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 48,679	$ 94,396,814	$ 93,631
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,289	$ 2,500,000	$ 2,528
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 11,577	$ 5,000,000	$ 22,702
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			$ 1,722	$ 100,000	$ -
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 12,928	$ 38,504,390	$ 31,740
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 200	$ 3,200,000	$ 491
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2007	3/1/2008	10/1/2007	Yes	$ 537,822	$ 1,400,000	$ 1,472,251
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 42,156	$ 31,000,000	$ 100,786
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 28,557	$ 21,000,000	$ 55,999
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 6,709	$ 24,875,000	$ 12,904
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 2,131	$ 10,318,679	$ 4,099
					Total	$ 1,471,934	$ 252,005,672	$ 3,607,543

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090729	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2009	6/1/2009		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	Stateline Project	6/1/2014	6/1/2014		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	Yes
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	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	Earliest Service Start Date	Redispatch Available
1090729	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer KEPC **Study Number** AG2-2006-123

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	Allocated E & C Cost	Total Revenue Requirements
KEPC	1090823	WR	WR	5	6/1/2007	6/1/2027	6/1/2011	6/1/2031			$ 572,747	$ 2,235,675
									$ -	$ -	$ 572,747	$ 2,235,675

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090823	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	Yes	$ 18,450	$ 1,500,000	$ 86,340
	KEPCO K-18 Interconnection	6/1/2007	6/1/2007			$ -	$ -	$ -
	KEPCO Louisville Interconnection	10/1/2006	10/1/2006			$ -	$ -	$ -
	LAWRENCE HILL - WREN 115KV CKT 1	6/1/2011	6/1/2011			$ 179,563	$ 1,200,000	$ 675,828
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 160,891	$ 2,250,000	$ 469,680
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 8,047	$ 94,396,814	$ 27,768
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 213	$ 2,500,000	$ 585
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,146	$ 5,000,000	$ 5,898
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2007	3/1/2008	10/1/2007	No	$ 48,515	$ 1,400,000	$ 227,033
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 7,485	$ 31,000,000	$ 27,829
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 5,071	$ 21,000,000	$ 13,938
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,270	$ 24,875,000	$ 4,382
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 401	$ 10,318,679	$ 1,384
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 140,695	$ 42,000,000	$ 695,009
					Total	$ 572,747	$ 237,440,493	$ 2,235,675

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090823	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2009	6/1/2009		
	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	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	Earliest Service Start Date	Redispatch Available
1090823	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Customer KMEA **Study Number** AG2-2006-065

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	Allocated E & C Cost	Total Revenue Requirements
KMEA	1090401	GRDA	KCPL	1	5/1/2007	5/1/2026					$ 186,088	$ 356,011
KMEA	1090528	GRDA	KCPL	1	5/1/2007	5/1/2026					$ 186,088	$ 356,011
									$ -	$ -	$ 372,176	$ 712,023

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090401	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 17,466	$ 6,000,000	$ 32,638
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 4,357	$ 2,500,000	$ 12,632
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 871	$ 500,000	$ 2,692
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 26,781	$ 9,200,000	$ 50,044
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ -	$ 4,123,803	$ -
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2012	6/1/2012			$ 42,731	$ 2,244,000	$ 89,954
	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1	6/1/2016	6/1/2016			$ 93,882	$ 6,920,000	$ 168,051
					Total	$ 186,088	$ 31,487,803	$ 356,011
1090528	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 17,466	$ 6,000,000	$ 32,638
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 4,357	$ 2,500,000	$ 12,632
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 871	$ 500,000	$ 2,692
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 26,781	$ 9,200,000	$ 50,044
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ -	$ 4,123,803	$ -
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2012	6/1/2012			$ 42,731	$ 2,244,000	$ 89,954
	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1	6/1/2016	6/1/2016			$ 93,882	$ 6,920,000	$ 168,051
					Total	$ 186,088	$ 31,487,803	$ 356,011

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090401	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2008	6/1/2008		
1090528	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2008	6/1/2008		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
KMEA	AG2-2006-081

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	Allocated E & C Cost	Total Revenue Requirements
KMEA	1090662	WR	WR	16	10/1/2006	10/1/2016	6/1/2011	6/1/2021			$ 2,151,909	$ 6,912,173
									$ -	$ -	$ 2,151,909	$ 6,912,173

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090662	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 305	$ 1,515,113	$ 972
	EEC - COWSKIN 138KV	6/1/2009	6/1/2009			$ 190,315	$ 10,000,000	$ 567,195
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		Yes	$ 7,984	$ 153,114	$ 31,812
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 33,606	$ 14,795,676	$ 106,159
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	6/1/2007			$ 5,580	$ 100,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 53,950	$ 94,396,814	$ 134,756
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,429	$ 2,500,000	$ 3,240
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 20,699	$ 5,000,000	$ 46,930
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 59,757	$ 38,504,390	$ 190,521
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 821	$ 3,200,000	$ 2,618
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 907,775	$ 3,700,000	$ 2,769,951
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 45,569	$ 31,000,000	$ 132,111
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 30,870	$ 21,000,000	$ 69,990
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	6/1/2010		No	$ 3,623	$ 2,401,645	$ 11,445
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 32,153	$ 24,875,000	$ 80,312
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 10,338	$ 10,318,679	$ 25,822
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 747,135	$ 42,000,000	$ 2,738,340
					Total	$ 2,151,909	$ 305,460,431	$ 6,912,173

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090662	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	Stateline Project	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090662	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer KMEA
Study Number AG2-2006-082

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	Allocated E & C Cost	Total Revenue Requirements
KMEA	1090674	GRDA	WR	1	5/1/2007	5/1/2026	6/1/2011	6/1/2026			$ 332,457	$ 1,157,061
									$ -	$ -	$ 332,457	$ 1,157,061

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090674	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 14,191	$ 6,000,000	$ 32,685
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 3,567	$ 2,500,000	$ 12,746
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 713	$ 500,000	$ 2,640
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 21,760	$ 9,200,000	$ 50,118
	CRESWELL - NEWKIRK 138KV CKT 1 OKGE	6/1/2012	6/1/2012			$ 4,230	$ 4,500,000	$ 14,212
	CRESWELL - NEWKIRK 138KV CKT 1 WERE	6/1/2012	6/1/2012			$ 4,456	$ 4,740,000	$ 12,992
	EEC - COWSKIN 138KV	6/1/2009	6/1/2009			$ 16,146	$ 10,000,000	$ 56,154
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		Yes	$ 485	$ 153,114	$ 2,324
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2012	6/1/2012			$ 41,120	$ 2,244,000	$ 113,943
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	6/1/2007			$ 339	$ 100,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 15,471	$ 94,396,814	$ 45,706
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 410	$ 2,500,000	$ 1,025
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 4,126	$ 5,000,000	$ 10,319
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	3/1/2008	10/1/2007	Yes	$ 4,306	$ 4,000,000	$ 16,787
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 63,875	$ 3,700,000	$ 234,385
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 14,623	$ 31,000,000	$ 48,172
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 9,906	$ 21,000,000	$ 24,775
	SPS MUST RUN GENERATION #3	10/1/2007	10/1/2007			$ -	$ -	$ -
	SPS MUST RUN GENERATION #4	6/1/2007	6/1/2007			$ -	$ -	$ -
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 2,343	$ 24,875,000	$ 6,922
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 749	$ 10,318,679	$ 2,213
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 109,641	$ 42,000,000	$ 468,943
					Total	$ 332,457	$ 278,727,607	$ 1,157,061

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090674	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes
	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2008	6/1/2008		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090674	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer KMEA **Study Number** AG2-2006-083

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	Allocated E & C Cost	Total Revenue Requirements
KMEA	1090676	GRDA	WR	1	5/1/2010	5/1/2026	6/1/2011	6/1/2026			$ 332,407	$ 1,156,843
									$ -	$ -	$ 332,407	$ 1,156,843

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090676	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 14,191	$ 6,000,000	$ 32,685
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 3,567	$ 2,500,000	$ 12,746
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 713	$ 500,000	$ 2,640
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 21,760	$ 9,200,000	$ 50,118
	CRESWELL - NEWKIRK 138KV CKT 1 OKGE	6/1/2012	6/1/2012			$ 4,230	$ 4,500,000	$ 14,212
	CRESWELL - NEWKIRK 138KV CKT 1 WERE	6/1/2012	6/1/2012			$ 4,456	$ 4,740,000	$ 12,992
	EEC - COWSKIN 138KV	6/1/2009	6/1/2009			$ 16,146	$ 10,000,000	$ 56,154
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No	$ 519	$ 153,114	$ 2,487
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2012	6/1/2012			$ 41,120	$ 2,244,000	$ 113,943
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	6/1/2007			$ 363	$ 100,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 15,471	$ 94,396,814	$ 45,706
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 410	$ 2,500,000	$ 1,025
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 4,126	$ 5,000,000	$ 10,319
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	3/1/2008	10/1/2007	No	$ 4,373	$ 4,000,000	$ 17,048
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 63,700	$ 3,700,000	$ 233,743
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 14,623	$ 31,000,000	$ 48,172
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 9,906	$ 21,000,000	$ 24,775
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 2,343	$ 24,875,000	$ 6,922
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 749	$ 10,318,679	$ 2,213
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 109,641	$ 42,000,000	$ 468,943
					Total	$ 332,407	$ 278,727,607	$ 1,156,843

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090676	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2008	6/1/2008		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090676	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Customer KMEA **Study Number** AG2-2006-084

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	Allocated E & C Cost	Total Revenue Requirements
KMEA	1090548	GRDA	KCPL	1	5/1/2010	5/1/2026					$ 186,088	$ 421,673
									$ -	$ -	$ 186,088	$ 421,673

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090548	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 17,466	$ 6,000,000	$ 38,010
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 4,357	$ 2,500,000	$ 14,711
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 871	$ 500,000	$ 3,070
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 26,781	$ 9,200,000	$ 58,281
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ -	$ 4,123,803	$ -
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2012	6/1/2012			$ 42,731	$ 2,244,000	$ 109,950
	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1	6/1/2016	6/1/2016			$ 93,882	$ 6,920,000	$ 197,651
					Total	$ 186,088	$ 31,487,803	$ 421,673

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090548	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2008	6/1/2008		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
KPP	AG2-2006-078

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	Allocated E & C Cost	Total Revenue Requirements
KPP	1090609	WR	WR	129	10/1/2006	10/1/2016	6/1/2011	6/1/2021			$ 33,042,167	$ 80,300,699
									$ -	$ -	$ 33,042,167	$ 80,300,699

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090609	ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2007	3/1/2008	10/1/2007	Yes	$ 600,000	$ 600,000	$ 1,665,010
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2016	6/1/2016			$ 40,000	$ 40,000	$ -
	CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2011	6/1/2011			$ 3,550,000	$ 3,550,000	$ 7,248,354
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	Yes	$ 1,560,000	$ 1,560,000	$ 4,329,025
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	6/1/2011	6/1/2011			$ 4,960,000	$ 4,960,000	$ 10,127,277
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		Yes	$ 1,622,831	$ 7,520,000	$ 5,809,304
	CRESWELL - NEWKIRK 138KV CKT 1 OKGE	6/1/2012	6/1/2012			$ 1,316,512	$ 4,500,000	$ 3,671,673
	CRESWELL - NEWKIRK 138KV CKT 1 WERE	6/1/2012	6/1/2012			$ 1,386,726	$ 4,740,000	$ 3,464,765
	CRESWELL - OAK 69KV CKT 1	6/1/2007	6/1/2007			$ 250,000	$ 250,000	$ 240,513
	CRESWELL - PARIS 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	Yes	$ 300,000	$ 300,000	$ 832,505
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2011	6/1/2011			$ 3,200,000	$ 3,200,000	$ 6,533,727
	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 3,615,920	$ 4,000,000	$ 9,589,752
	CRESWELL (CRESWL2X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 2,487,268	$ 4,000,000	$ 6,596,463
	OAK - RAINBOW 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	Yes	$ 1,800,000	$ 1,800,000	$ 4,995,029
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	4/1/2007	3/1/2008		Yes	$ 1,900,000	$ 1,900,000	$ 2,750,777
	RICHLAND - UDALL 69KV CKT 1	6/1/2007	5/1/2008	10/1/2007	Yes	$ 2,900,000	$ 2,900,000	$ 8,047,546
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	3/1/2008	10/1/2007	Yes	$ 852,910	$ 4,000,000	$ 2,849,381
	TIMBER JUNCTION - UDALL 69KV CKT 1	6/1/2010	6/1/2010			$ 700,000	$ 700,000	$ 1,549,600
					Total	$ 33,042,167	$ 50,520,000	$ 80,300,699

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090609	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090609	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	10/1/2006	6/1/2009		Yes

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer KPP
Study Number AG2-2006-079

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	Allocated E & C Cost	Total Revenue Requirements
KPP	1090613	SECI	WPEK	25	10/1/2006	10/1/2016	6/1/2010	6/1/2020			$ 1,186,273	$ 3,171,481
									$ -	$ -	$ 1,186,273	$ 3,171,481

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090613	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		Yes	$ 201,132	$ 7,520,000	$ 657,754
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 1,066	$ 1,515,113	$ 3,136
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		Yes	$ 7,748	$ 153,114	$ 28,203
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 75,203	$ 14,795,676	$ 219,225
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	6/1/2007			$ 485	$ 100,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 154,199	$ 94,396,814	$ 355,429
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 4,084	$ 2,500,000	$ 8,869
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 76,371	$ 5,000,000	$ 165,849
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 212,914	$ 38,504,390	$ 626,429
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 2,861	$ 3,200,000	$ 8,418
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 177,583	$ 31,000,000	$ 485,808
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 120,298	$ 21,000,000	$ 261,242
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 115,218	$ 24,875,000	$ 265,578
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 37,111	$ 10,318,679	$ 85,541
					Total	$ 1,186,273	$ 254,878,786	$ 3,171,481

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090613	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	Yes
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	Stateline Project	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090613	HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1	6/1/2007	6/1/2008		Yes
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Customer KPP
Study Number AG2-2006-125

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	Allocated E & C Cost	Total Revenue Requirements
KPP	1090612	WPEK	WPEK	13	10/1/2006	10/1/2016	6/1/2011	6/1/2021			$ 12,748,811	$ 48,151,107
									$ -	$ -	$ 12,748,811	$ 48,151,107

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090612	Ashland Capacitor	6/1/2012	6/1/2012			$ 100,000	$ 100,000	$ -
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		Yes	$ 150,965	$ 7,520,000	$ 540,415
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	Yes	$ 54,076	$ 1,500,000	$ 187,756
	Hoisington Capacitors	6/1/2008	6/1/2008			$ 150,000	$ 150,000	$ 457,704
	Kingman 115 kV and 34.5 kV Expansion	10/1/2006	6/1/2010		No	$ 10,000,000	$ 10,000,000	$ 39,844,708
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 357,020	$ 94,396,814	$ 891,762
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 9,455	$ 2,500,000	$ 21,437
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 105,343	$ 5,000,000	$ 238,838
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 365,333	$ 31,000,000	$ 1,059,153
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 247,484	$ 21,000,000	$ 561,105
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 54,143	$ 24,875,000	$ 135,238
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 17,300	$ 10,318,679	$ 43,212
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 1,137,692	$ 42,000,000	$ 4,169,779
					Total	$ 12,748,811	$ 250,360,493	$ 48,151,107

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090612	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	Yes

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer **Study Number**
MECB AG2-2006-140

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	Allocated E & C Cost	Total Revenue Requirements
MECB	1103355	MEC	AECI	100	1/1/2007	1/1/2008	6/1/2010	6/1/2011			$ 3,922,876	$ 6,002,035
MECB	1103357	MEC	AECI	50	1/1/2007	1/1/2008	6/1/2010	6/1/2011			$ 1,961,168	$ 3,000,618
									$ -	$ -	$ 5,884,044	$ 9,002,653

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1103355	CLRNDA to MARYVILLE 161kV Ckt 1 MIPU	1/1/2007	6/1/2009		No	$ 3,673,517	$ 5,510,000	$ 5,478,775
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 925	$ 1,515,113	$ 1,946
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 72,589	$ 14,795,676	$ 151,326
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 173,405	$ 38,504,390	$ 364,854
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 2,440	$ 3,200,000	$ 5,134
					Total	$ 3,922,876	$ 63,525,179	$ 6,002,035
1103357	CLRNDA to MARYVILLE 161kV Ckt 1 MIPU	1/1/2007	6/1/2009		No	$ 1,836,483	$ 5,510,000	$ 2,738,976
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 462	$ 1,515,113	$ 972
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 36,300	$ 14,795,676	$ 75,675
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 86,703	$ 38,504,390	$ 182,428
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 1,220	$ 3,200,000	$ 2,567
					Total	$ 1,961,168	$ 63,525,179	$ 3,000,618

Third Party Limitations

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1103355	CLRNDA to MARYVILLE 161kV Ckt 1 MEC	1/1/2007	6/1/2009			$ 2,853,476	$ 4,280,000
1103357	CLRNDA to MARYVILLE 161kV Ckt 1 MEC	1/1/2007	6/1/2009			$ 1,426,524	$ 4,280,000
					Total	$ 4,280,000	$ 8,560,000

Customer **Study Number**
MIDW AG2-2006-047

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090244	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015			$ 493,277	$ 1,245,924
									$ -	$ -	$ 493,277	$ 1,245,924

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090244	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 9,509	$ 7,520,000	$ 25,437
	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	6/1/2008	6/1/2008			$ 334,091	$ 1,500,000	$ 880,827
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 65	$ 1,515,113	$ 160
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No	$ 201	$ 153,114	$ 598
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 4,881	$ 14,795,676	$ 11,873
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	3/1/2008	12/1/2007	No	$ 23,751	$ 2,200,000	$ 64,869
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 19,154	$ 94,396,814	$ 36,841
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 507	$ 2,500,000	$ 994
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 8,212	$ 5,000,000	$ 16,103
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 12,123	$ 38,504,390	$ 29,764
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 177	$ 3,200,000	$ 435
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 28,422	$ 3,700,000	$ 64,807
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 26,060	$ 31,000,000	$ 62,304
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 17,654	$ 21,000,000	$ 34,619
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 6,413	$ 24,875,000	$ 12,335
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 2,057	$ 10,318,679	$ 3,957
					Total	$ 493,277	$ 262,178,786	$ 1,245,924

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090244	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	Stateline Project	6/1/2014	6/1/2014		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090244	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
MIDW	AG2-2006-050

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090329	WR	WR	36	6/1/2010	6/1/2035	6/1/2011	6/1/2036			$ 3,339,806	$ 16,779,501
MIDW	1090331	WR	WR	9	6/1/2010	6/1/2035	6/1/2011	6/1/2036			$ 834,940	$ 4,194,827
MIDW	1090332	WR	WR	49	6/1/2010	6/1/2035	6/1/2011	6/1/2036			$ 4,545,787	$ 22,838,513
MIDW	1090334	WR	WR	11	6/1/2010	6/1/2035	6/1/2011	6/1/2036			$ 1,020,481	$ 5,127,006
									$ -	$ -	$ 9,741,014	$ 48,939,847

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090329	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 50,652	$ 7,520,000	$ 301,262
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 296,044	$ 94,396,814	$ 1,179,242
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 7,840	$ 2,500,000	$ 23,593
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 106,266	$ 5,000,000	$ 319,793
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 354,986	$ 31,000,000	$ 1,479,957
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 240,474	$ 21,000,000	$ 723,675
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 67,710	$ 24,875,000	$ 269,712
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 21,594	$ 10,318,679	$ 86,016
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 2,194,240	$ 42,000,000	$ 12,396,251
					Total	$ 3,339,806	$ 238,610,493	$ 16,779,501
1090331	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 12,653	$ 7,520,000	$ 75,256
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 74,011	$ 94,396,814	$ 294,811
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,960	$ 2,500,000	$ 5,898
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 26,565	$ 5,000,000	$ 79,944
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 88,743	$ 31,000,000	$ 369,975
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 60,117	$ 21,000,000	$ 180,914
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 16,921	$ 24,875,000	$ 67,402
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 5,401	$ 10,318,679	$ 21,514
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 548,569	$ 42,000,000	$ 3,099,114
					Total	$ 834,940	$ 238,610,493	$ 4,194,827
1090332	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 68,933	$ 7,520,000	$ 409,992
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 402,923	$ 94,396,814	$ 1,604,977
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 10,671	$ 2,500,000	$ 32,113
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 144,639	$ 5,000,000	$ 435,272
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 483,167	$ 31,000,000	$ 2,014,350
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 327,306	$ 21,000,000	$ 984,984
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 92,154	$ 24,875,000	$ 367,080
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 29,389	$ 10,318,679	$ 117,066
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 2,986,605	$ 42,000,000	$ 16,872,678
					Total	$ 4,545,787	$ 238,610,493	$ 22,838,513
1090334	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 15,487	$ 7,520,000	$ 92,112
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 90,445	$ 94,396,814	$ 360,273
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 2,395	$ 2,500,000	$ 7,207
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 32,471	$ 5,000,000	$ 97,717
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 108,468	$ 31,000,000	$ 452,209
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 73,478	$ 21,000,000	$ 221,122
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 20,695	$ 24,875,000	$ 82,435
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 6,593	$ 10,318,679	$ 26,262
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 670,449	$ 42,000,000	$ 3,787,669
					Total	$ 1,020,481	$ 238,610,493	$ 5,127,006

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	**Study Number**
MIDW	AG2-2006-050

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090329	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No
1090331	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No
1090332	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No
1090334	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090329	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090331	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090332	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090334	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
MIDW	AG2-2006-051

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090325	WR	WR	24	6/1/2008	6/1/2038	6/1/2011	6/1/2041			$ 2,223,555	$ 12,616,751
MIDW	1090327	WR	WR	6	6/1/2008	6/1/2038	6/1/2011	6/1/2041			$ 555,918	$ 3,154,311
									$ -	$ -	$ 2,779,473	$ 15,771,063

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090325	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 30,857	$ 7,520,000	$ 211,290
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 197,325	$ 94,396,814	$ 897,225
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 5,226	$ 2,500,000	$ 17,156
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 70,844	$ 5,000,000	$ 232,566
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 236,649	$ 31,000,000	$ 1,099,224
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 160,311	$ 21,000,000	$ 526,268
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 45,140	$ 24,875,000	$ 205,249
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 14,389	$ 10,318,679	$ 65,426
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 1,462,814	$ 42,000,000	$ 9,362,348
					Total	$ 2,223,555	$ 238,610,493	$ 12,616,751
1090327	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 7,704	$ 7,520,000	$ 52,752
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 49,359	$ 94,396,814	$ 224,433
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,307	$ 2,500,000	$ 4,291
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 17,713	$ 5,000,000	$ 58,148
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 59,162	$ 31,000,000	$ 274,805
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 40,078	$ 21,000,000	$ 131,568
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 11,285	$ 24,875,000	$ 51,312
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 3,597	$ 10,318,679	$ 16,355
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 365,713	$ 42,000,000	$ 2,340,648
					Total	$ 555,918	$ 238,610,493	$ 3,154,311

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090325	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No
1090327	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090325	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090327	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer MIDW
Study Number AG2-2006-052

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090245	WR	WR	6	6/1/2008	6/1/2013	6/1/2010	6/1/2015			$ 541,667	$ 1,276,212
									$ -	$ -	$ 541,667	$ 1,276,212

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090245	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 189,565	$ 7,520,000	$ 507,090
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 185	$ 1,515,113	$ 454
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No	$ 583	$ 153,114	$ 1,736
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 13,885	$ 14,795,676	$ 33,776
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 51,740	$ 94,396,814	$ 99,518
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,370	$ 2,500,000	$ 2,687
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 22,875	$ 5,000,000	$ 44,857
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 34,292	$ 38,504,390	$ 84,191
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 488	$ 3,200,000	$ 1,198
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 81,736	$ 3,700,000	$ 186,373
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 72,109	$ 31,000,000	$ 172,398
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 48,848	$ 21,000,000	$ 95,789
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 18,179	$ 24,875,000	$ 34,966
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 5,812	$ 10,318,679	$ 11,179
					Total	$ 541,667	$ 258,478,786	$ 1,276,212

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090245	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	Stateline Project	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090245	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
MIDW	AG2-2006-058

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090377	EES	WR	40	5/1/2010	5/1/2040	6/1/2011	6/1/2041	$ -	$ -	$ 5,320,156	$ 30,164,686
MIDW	1090378	EES	WR	10	5/1/2010	5/1/2040	6/1/2011	6/1/2041	$ -	$ -	$ 1,330,032	$ 7,541,099
MIDW	1090382	EES	WR	20	5/1/2010	5/1/2040	6/1/2011	6/1/2041	$ -	$ -	$ 2,660,076	$ 15,082,334
MIDW	1090383	EES	WR	5	5/1/2010	5/1/2040	6/1/2011	6/1/2041	$ -	$ -	$ 665,038	$ 3,770,665
									$ -	$ -	$ 9,975,302	$ 56,558,784

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090377	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 13,740	$ 7,520,000	$ 94,083
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 536,551	$ 94,396,814	$ 2,439,666
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 14,210	$ 2,500,000	$ 46,648
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 157,121	$ 5,000,000	$ 515,795
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 545,754	$ 31,000,000	$ 2,535,002
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 369,704	$ 21,000,000	$ 1,213,661
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 103,402	$ 24,875,000	$ 470,163
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 32,955	$ 10,318,679	$ 149,844
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 3,546,719	$ 42,000,000	$ 22,699,822
					Total	$ 5,320,156	$ 238,610,493	$ 30,164,686
1090378	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 3,435	$ 7,520,000	$ 23,521
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 134,138	$ 94,396,814	$ 609,918
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 3,552	$ 2,500,000	$ 11,660
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 39,282	$ 5,000,000	$ 128,955
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 136,444	$ 31,000,000	$ 633,776
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 92,430	$ 21,000,000	$ 303,428
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 25,851	$ 24,875,000	$ 117,543
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 8,239	$ 10,318,679	$ 37,462
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 886,661	$ 42,000,000	$ 5,674,835
					Total	$ 1,330,032	$ 238,610,493	$ 7,541,099
1090382	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 6,870	$ 7,520,000	$ 47,042
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 268,275	$ 94,396,814	$ 1,219,831
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 7,105	$ 2,500,000	$ 23,324
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 78,560	$ 5,000,000	$ 257,896
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 272,877	$ 31,000,000	$ 1,267,501
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 184,852	$ 21,000,000	$ 606,831
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 51,701	$ 24,875,000	$ 235,081
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 16,477	$ 10,318,679	$ 74,920
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 1,773,359	$ 42,000,000	$ 11,349,908
					Total	$ 2,660,076	$ 238,610,493	$ 15,082,334
1090383	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 1,708	$ 7,520,000	$ 11,695
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 67,097	$ 94,396,814	$ 305,086
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,777	$ 2,500,000	$ 5,834
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 19,641	$ 5,000,000	$ 64,477
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 68,216	$ 31,000,000	$ 316,860
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 46,211	$ 21,000,000	$ 151,701
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 12,925	$ 24,875,000	$ 58,769
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 4,114	$ 10,318,679	$ 18,706
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 443,349	$ 42,000,000	$ 2,837,536
					Total	$ 665,038	$ 238,610,493	$ 3,770,665

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090377	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
1090378	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
1090382	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
1090383	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090377	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090378	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090382	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090383	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer **Study Number**
MIDW AG2-2006-059

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090388	EES	WR	7	5/1/2010	5/1/2040			$ -	$ -	$ 203,262	$ 749,134
MIDW	1090390	EES	WR	3	5/1/2010	5/1/2040			$ -	$ -	$ 87,114	$ 321,054
									$ -	$ -	$ 290,376	$ 1,070,188

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090388	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 40,003	$ 6,000,000	$ 130,586
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 12,041	$ 2,500,000	$ 60,984
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 2,408	$ 500,000	$ 12,330
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 61,337	$ 9,200,000	$ 200,229
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 33,889	$ 94,396,814	$ 141,231
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 898	$ 2,500,000	$ 2,813
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 6,163	$ 5,000,000	$ 19,308
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 24,132	$ 31,000,000	$ 105,251
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 16,347	$ 21,000,000	$ 51,213
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 4,588	$ 24,875,000	$ 19,120
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,456	$ 10,318,679	$ 6,068
					Total	$ 203,262	$ 207,290,493	$ 749,134
1090390	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 17,149	$ 6,000,000	$ 55,981
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 5,164	$ 2,500,000	$ 26,154
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 1,033	$ 500,000	$ 5,290
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 26,295	$ 9,200,000	$ 85,838
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 14,507	$ 94,396,814	$ 60,457
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 384	$ 2,500,000	$ 1,203
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,642	$ 5,000,000	$ 8,277
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 10,347	$ 31,000,000	$ 45,128
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 7,010	$ 21,000,000	$ 21,961
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,961	$ 24,875,000	$ 8,172
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 622	$ 10,318,679	$ 2,592
					Total	$ 87,114	$ 207,290,493	$ 321,054

Customer **Study Number**
MIDW AG2-2006-060

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090392	EES	WR	1	5/1/2010	5/1/2040			$ -	$ -	$ 182,767	$ 942,617
MIDW	1090394	EES	WR	1	5/1/2010	5/1/2040			$ -	$ -	$ 182,767	$ 942,617
									$ -	$ -	$ 365,534	$ 1,885,233

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090392	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 5,669	$ 6,000,000	$ 18,506
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 1,721	$ 2,500,000	$ 8,716
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 344	$ 500,000	$ 1,761
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 8,693	$ 9,200,000	$ 28,377
	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	6/1/2008	6/1/2008			$ 156,439	$ 1,500,000	$ 844,387
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 6,916	$ 2,250,000	$ 24,178
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	3/1/2008	12/1/2007	No	$ 2,985	$ 2,200,000	$ 16,691
					Total	$ 182,767	$ 24,150,000	$ 942,617
1090394	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 5,669	$ 6,000,000	$ 18,506
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 1,721	$ 2,500,000	$ 8,716
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 344	$ 500,000	$ 1,761
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 8,693	$ 9,200,000	$ 28,377
	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	6/1/2008	6/1/2008			$ 156,439	$ 1,500,000	$ 844,387
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 6,916	$ 2,250,000	$ 24,178
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	3/1/2008	12/1/2007	No	$ 2,985	$ 2,200,000	$ 16,691
					Total	$ 182,767	$ 24,150,000	$ 942,617

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090392	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No
1090394	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No

Customer **Study Number**
MIDW AG2-2006-061

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090396	EES	WR	2	5/1/2010	5/1/2040					$ 99,529	$ 543,879
MIDW	1090399	EES	WR	1	5/1/2010	5/1/2040					$ 49,794	$ 272,066
									$ -	$ -	$ 149,323	$ 815,944

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090396	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 65,013	$ 7,520,000	$ 403,573
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 3,398	$ 2,500,000	$ 17,210
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 680	$ 500,000	$ 3,482
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 10,597	$ 94,396,814	$ 44,163
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 281	$ 2,500,000	$ 880
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,394	$ 5,000,000	$ 7,500
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 8,814	$ 31,000,000	$ 38,442
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 5,971	$ 21,000,000	$ 18,706
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,801	$ 24,875,000	$ 7,506
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 580	$ 10,318,679	$ 2,417
					Total	$ 99,529	$ 199,610,493	$ 543,879
1090399	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 32,506	$ 7,520,000	$ 201,783
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 1,704	$ 2,500,000	$ 8,630
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 341	$ 500,000	$ 1,746
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 5,327	$ 94,396,814	$ 22,200
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 141	$ 2,500,000	$ 442
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 1,197	$ 5,000,000	$ 3,750
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 4,407	$ 31,000,000	$ 19,221
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 2,986	$ 21,000,000	$ 9,355
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 900	$ 24,875,000	$ 3,751
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 285	$ 10,318,679	$ 1,188
					Total	$ 49,794	$ 199,610,493	$ 272,066

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090396	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
1090399	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
MIDW	AG2-2006-096

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1091026	WR	WR	3	6/1/2008	6/1/2038	6/1/2010	6/1/2040			$ 148,843	$ 627,333
MIDW	1091027	WR	WR	7	6/1/2008	6/1/2038	6/1/2010	6/1/2040			$ 347,220	$ 1,463,458
MIDW	1091028	WR	WR	8	6/1/2008	6/1/2038	6/1/2011	6/1/2041			$ 197,123	$ 827,577
MIDW	1091032	WR	WR	10	6/1/2008	6/1/2038	6/1/2010	6/1/2040			$ 495,991	$ 2,090,492
MIDW	1091066	WR	WR	17	6/1/2008	6/1/2013	6/1/2010	6/1/2015			$ 1,067,316	$ 2,331,985
									$ -	$ -	$ 2,256,493	$ 7,340,845

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1091026	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 54	$ 1,515,113	$ 289
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 3,189	$ 14,795,676	$ 16,923
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 17,052	$ 2,250,000	$ 59,982
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 29,355	$ 94,396,814	$ 123,173
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 777	$ 2,500,000	$ 2,443
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 8,826	$ 5,000,000	$ 27,752
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 9,034	$ 38,504,390	$ 48,385
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 133	$ 3,200,000	$ 712
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 23,088	$ 3,700,000	$ 123,108
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 30,479	$ 31,000,000	$ 133,590
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 20,647	$ 21,000,000	$ 64,921
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 4,711	$ 24,875,000	$ 19,767
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,498	$ 10,318,679	$ 6,286
					Total	$ 148,843	$ 253,055,672	$ 627,333
1091027	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 120	$ 1,515,113	$ 643
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 7,437	$ 14,795,676	$ 39,465
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 39,765	$ 2,250,000	$ 139,877
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 68,457	$ 94,396,814	$ 287,245
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,813	$ 2,500,000	$ 5,701
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 20,590	$ 5,000,000	$ 64,742
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 21,105	$ 38,504,390	$ 113,036
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 311	$ 3,200,000	$ 1,666
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 53,853	$ 3,700,000	$ 287,151
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 71,114	$ 31,000,000	$ 311,695
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 48,174	$ 21,000,000	$ 151,476
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 10,989	$ 24,875,000	$ 46,110
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 3,492	$ 10,318,679	$ 14,652
					Total	$ 347,220	$ 253,055,672	$ 1,463,458
1091028	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 65	$ 1,515,113	$ 377
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 3,523	$ 14,795,676	$ 20,259
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 52,783	$ 2,250,000	$ 199,641
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 42,389	$ 94,396,814	$ 192,740
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,123	$ 2,500,000	$ 3,687
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 11,394	$ 5,000,000	$ 37,404
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 10,747	$ 38,504,390	$ 62,374
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 155	$ 3,200,000	$ 900
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 40,312	$ 31,000,000	$ 187,247
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 27,308	$ 21,000,000	$ 89,646
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 5,562	$ 24,875,000	$ 25,290
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,762	$ 10,318,679	$ 8,012
					Total	$ 544,343	$ 502,411,344	$ 2,291,035
1091032	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 174	$ 1,515,113	$ 932
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 10,626	$ 14,795,676	$ 56,388
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 56,817	$ 2,250,000	$ 199,860
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 97,756	$ 94,396,814	$ 410,183
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 2,589	$ 2,500,000	$ 8,141
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 29,412	$ 5,000,000	$ 92,482
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 30,138	$ 38,504,390	$ 161,416
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 444	$ 3,200,000	$ 2,378
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 76,941	$ 3,700,000	$ 410,259
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 101,594	$ 31,000,000	$ 445,290
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 68,822	$ 21,000,000	$ 216,400
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 15,688	$ 24,875,000	$ 65,827
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 4,990	$ 10,318,679	$ 20,938
					Total	$ 495,991	$ 253,055,672	$ 2,090,492
1091066	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 571	$ 1,515,113	$ 1,402
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No	$ 1,855	$ 153,114	$ 5,523
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 42,805	$ 14,795,676	$ 104,125
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 154,199	$ 94,396,814	$ 296,592
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 4,084	$ 2,500,000	$ 8,009
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 70,169	$ 5,000,000	$ 137,599
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 105,159	$ 38,504,390	$ 258,179
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 1,508	$ 3,200,000	$ 3,702
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 243,243	$ 3,700,000	$ 554,639
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 220,673	$ 31,000,000	$ 527,583
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 149,488	$ 21,000,000	$ 293,142
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 55,734	$ 24,875,000	$ 107,201
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 17,828	$ 10,318,679	$ 34,291
					Total	$ 1,067,316	$ 250,958,786	$ 2,331,985

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	**Study Number**
MIDW	AG2-2006-096

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1091026	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	Stateline Project	6/1/2014	6/1/2014		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No
1091027	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	Stateline Project	6/1/2014	6/1/2014		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No
1091028	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	Stateline Project	6/1/2014	6/1/2014		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No
1091032	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	Stateline Project	6/1/2014	6/1/2014		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No
1091066	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	Stateline Project	6/1/2014	6/1/2014		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1091026	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1091027	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1091032	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1091066	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
MIDW	AG2-2006-097

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090917	WR	WR	20	6/1/2008	6/1/2038	6/1/2011	6/1/2041			$ 303,700	$ 1,871,267
MIDW	1090919	WR	WR	5	6/1/2008	6/1/2038	6/1/2011	6/1/2041			$ 75,922	$ 467,799
MIDW	1090920	WR	WR	40	6/1/2008	6/1/2038	6/1/2011	6/1/2041			$ 607,387	$ 3,742,458
MIDW	1090921	WR	WR	10	6/1/2008	6/1/2038	6/1/2011	6/1/2041			$ 151,843	$ 935,592
MIDW	1090922	WR	WR	50	6/1/2008	6/1/2038	6/1/2011	6/1/2041			$ 560,019	$ 3,599,228
MIDW	1090923	WR	WR	11	6/1/2008	6/1/2038	6/1/2011	6/1/2041			$ 123,223	$ 791,949
MIDW	1090934	WR	WR	60	6/1/2008	6/1/2038	6/1/2011	6/1/2041			$ 911,087	$ 5,613,725
MIDW	1090935	WR	WR	15	6/1/2008	6/1/2038	6/1/2011	6/1/2041			$ 227,765	$ 1,403,392
									$ -	$ -	$ 2,960,946	$ 18,425,410

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090917	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 128,626	$ 3,700,000	$ 750,753
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 175,074	$ 42,000,000	$ 1,120,514
					Total	$ 303,700	$ 45,700,000	$ 1,871,267
1090919	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 32,153	$ 3,700,000	$ 187,668
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 43,769	$ 42,000,000	$ 280,132
					Total	$ 75,922	$ 45,700,000	$ 467,799
1090920	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 257,238	$ 3,700,000	$ 1,501,423
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 350,149	$ 42,000,000	$ 2,241,035
					Total	$ 607,387	$ 45,700,000	$ 3,742,458
1090921	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 64,306	$ 3,700,000	$ 375,335
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 87,537	$ 42,000,000	$ 560,257
					Total	$ 151,843	$ 45,700,000	$ 935,592
1090922	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 144,037	$ 7,520,000	$ 986,277
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 87,717	$ 3,700,000	$ 511,979
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 328,265	$ 42,000,000	$ 2,100,972
					Total	$ 415,982	$ 45,700,000	$ 2,612,951
1090923	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 31,691	$ 7,520,000	$ 217,001
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 19,303	$ 3,700,000	$ 112,666
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 72,229	$ 42,000,000	$ 462,282
					Total	$ 91,532	$ 45,700,000	$ 574,948
1090934	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 385,864	$ 3,700,000	$ 2,252,176
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 525,223	$ 42,000,000	$ 3,361,549
					Total	$ 911,087	$ 45,700,000	$ 5,613,725
1090935	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 96,459	$ 3,700,000	$ 563,003
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 131,306	$ 42,000,000	$ 840,389
					Total	$ 227,765	$ 45,700,000	$ 1,403,392

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090922	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
1090923	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090917	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090919	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090920	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090921	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090922	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090923	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090934	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090935	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer MIDW
Study Number AG2-2006-098

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090958	WR	WR	3	6/1/2008	6/2/2038	6/1/2010	6/1/2040	$ -	$ -	$ 214,734	$ 1,109,487
MIDW	1091043	WR	WR	1	6/1/2008	6/1/2038	6/1/2010	6/1/2040	$ -	$ -	$ 71,575	$ 369,840
MIDW	1091044	WR	WR	2	6/1/2008	6/1/2038	6/1/2010	6/1/2040	$ -	$ -	$ 143,176	$ 739,756
MIDW	1091045	WR	WR	2	6/1/2008	6/1/2038	6/1/2011	6/1/2041	$ -	$ -	$ 99,635	$ 608,394
									$ -	$ -	$ 529,120	$ 2,827,476

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090958	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 95,287	$ 7,520,000	$ 596,061
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 44	$ 1,515,113	$ 236
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 2,579	$ 14,795,676	$ 13,686
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 27,938	$ 94,396,814	$ 117,228
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 740	$ 2,500,000	$ 2,327
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 7,877	$ 5,000,000	$ 24,768
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 7,632	$ 38,504,390	$ 40,876
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 111	$ 3,200,000	$ 595
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 21,027	$ 3,700,000	$ 112,118
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 27,593	$ 31,000,000	$ 120,941
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 18,692	$ 21,000,000	$ 58,774
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 3,959	$ 24,875,000	$ 16,612
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,255	$ 10,318,679	$ 5,266
					Total	$ 214,734	$ 258,325,672	$ 1,109,487
1091043	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 31,769	$ 7,520,000	$ 198,729
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 16	$ 1,515,113	$ 86
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 863	$ 14,795,676	$ 4,580
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 9,294	$ 94,396,814	$ 38,998
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 246	$ 2,500,000	$ 774
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,624	$ 5,000,000	$ 8,251
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 2,544	$ 38,504,390	$ 13,625
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 44	$ 3,200,000	$ 236
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 7,004	$ 3,700,000	$ 37,346
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 9,198	$ 31,000,000	$ 40,315
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 6,231	$ 21,000,000	$ 19,592
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,320	$ 24,875,000	$ 5,539
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 422	$ 10,318,679	$ 1,771
					Total	$ 71,575	$ 258,325,672	$ 369,840
1091044	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 63,538	$ 7,520,000	$ 397,457
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 27	$ 1,515,113	$ 145
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 1,715	$ 14,795,676	$ 9,101
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 18,644	$ 94,396,814	$ 78,230
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 494	$ 2,500,000	$ 1,553
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 5,253	$ 5,000,000	$ 16,517
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 5,088	$ 38,504,390	$ 27,251
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 67	$ 3,200,000	$ 359
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 14,022	$ 3,700,000	$ 74,767
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 18,395	$ 31,000,000	$ 80,626
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 12,461	$ 21,000,000	$ 39,182
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 2,639	$ 24,875,000	$ 11,073
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 833	$ 10,318,679	$ 3,495
					Total	$ 143,176	$ 258,325,672	$ 739,756
1091045	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 70,369	$ 7,520,000	$ 481,844
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 11	$ 1,515,113	$ 64
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 472	$ 14,795,676	$ 2,714
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 9,691	$ 94,396,814	$ 44,064
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 257	$ 2,500,000	$ 844
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,220	$ 5,000,000	$ 7,288
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 1,739	$ 38,504,390	$ 10,093
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 22	$ 3,200,000	$ 128
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 8,156	$ 31,000,000	$ 37,884
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 5,525	$ 21,000,000	$ 18,137
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 888	$ 24,875,000	$ 4,038
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 285	$ 10,318,679	$ 1,296
					Total	$ 242,811	$ 512,951,344	$ 1,348,149

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	**Study Number**
MIDW	AG2-2006-098

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090958	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	Stateline Project	6/1/2014	6/1/2014		
1091043	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	Stateline Project	6/1/2014	6/1/2014		
1091044	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	Stateline Project	6/1/2014	6/1/2014		
1091045	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	Stateline Project	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090958	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1091043	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1091044	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1091045	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
MIDW	AG2-2006-099

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1091034	WR	WR	1	6/1/2008	6/1/2038	6/1/2010	6/1/2040			$ 239,510	$ 1,234,404
MIDW	1091035	WR	WR	1	6/1/2008	6/1/2038	6/1/2010	6/1/2040			$ 239,510	$ 1,234,404
MIDW	1091036	WR	WR	1	6/1/2008	6/1/2038	6/1/2011	6/1/2041			$ 227,986	$ 1,293,324
MIDW	1091041	WR	WR	2	6/1/2008	6/1/2038	6/1/2010	6/1/2040			$ 479,292	$ 2,470,195
									$ -	$ -	$ 1,186,298	$ 6,232,326

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1091034	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	6/1/2008	6/1/2008			$ 170,076	$ 1,500,000	$ 923,667
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 16	$ 1,515,113	$ 86
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 990	$ 14,795,676	$ 5,254
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 10,102	$ 2,250,000	$ 35,535
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	3/1/2008	12/1/2007	No	$ 15,259	$ 2,200,000	$ 85,848
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 10,257	$ 94,396,814	$ 43,038
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 272	$ 2,500,000	$ 855
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,920	$ 5,000,000	$ 9,182
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 2,881	$ 38,504,390	$ 15,430
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 44	$ 3,200,000	$ 236
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 7,597	$ 3,700,000	$ 40,508
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 10,204	$ 31,000,000	$ 44,724
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 6,912	$ 21,000,000	$ 21,734
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,505	$ 24,875,000	$ 6,315
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 475	$ 10,318,679	$ 1,993
					Total	$ 239,510	$ 256,755,672	$ 1,234,404
1091035	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	6/1/2008	6/1/2008			$ 170,076	$ 1,500,000	$ 923,667
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 16	$ 1,515,113	$ 86
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 990	$ 14,795,676	$ 5,254
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 10,102	$ 2,250,000	$ 35,535
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	3/1/2008	12/1/2007	No	$ 15,259	$ 2,200,000	$ 85,848
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 10,257	$ 94,396,814	$ 43,038
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 272	$ 2,500,000	$ 855
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,920	$ 5,000,000	$ 9,182
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 2,881	$ 38,504,390	$ 15,430
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 44	$ 3,200,000	$ 236
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 7,597	$ 3,700,000	$ 40,508
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 10,204	$ 31,000,000	$ 44,724
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 6,912	$ 21,000,000	$ 21,734
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,505	$ 24,875,000	$ 6,315
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 475	$ 10,318,679	$ 1,993
					Total	$ 239,510	$ 256,755,672	$ 1,234,404
1091036	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 8,345	$ 7,520,000	$ 57,141
	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	6/1/2008	6/1/2008			$ 172,538	$ 1,500,000	$ 1,007,547
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 5	$ 1,515,113	$ 29
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 357	$ 14,795,676	$ 2,053
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 11,018	$ 2,250,000	$ 41,673
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	3/1/2008	12/1/2007	No	$ 17,780	$ 2,200,000	$ 107,558
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 5,780	$ 94,396,814	$ 26,281
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 153	$ 2,500,000	$ 502
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 1,401	$ 5,000,000	$ 4,599
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 1,220	$ 38,504,390	$ 7,081
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 22	$ 3,200,000	$ 128
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 5,090	$ 31,000,000	$ 23,643
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 3,448	$ 21,000,000	$ 11,319
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 629	$ 24,875,000	$ 2,860
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 200	$ 10,318,679	$ 909
					Total	$ 227,986	$ 260,575,672	$ 1,293,324
1091041	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	6/1/2008	6/1/2008			$ 340,341	$ 1,500,000	$ 1,848,360
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 33	$ 1,515,113	$ 177
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 1,969	$ 14,795,676	$ 10,449
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 20,205	$ 2,250,000	$ 71,073
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	3/1/2008	12/1/2007	No	$ 30,518	$ 2,200,000	$ 171,696
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 20,571	$ 94,396,814	$ 86,316
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 545	$ 2,500,000	$ 1,714
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 5,841	$ 5,000,000	$ 18,366
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 5,789	$ 38,504,390	$ 31,005
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 89	$ 3,200,000	$ 477
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 15,194	$ 3,700,000	$ 81,016
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 20,419	$ 31,000,000	$ 89,497
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 13,832	$ 21,000,000	$ 43,493
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 2,997	$ 24,875,000	$ 12,575
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 949	$ 10,318,679	$ 3,982
					Total	$ 479,292	$ 256,755,672	$ 2,470,195

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer **Study Number**
MIDW AG2-2006-099

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1091034	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	Stateline Project	6/1/2014	6/1/2014		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No
1091035	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	Stateline Project	6/1/2014	6/1/2014		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No
1091036	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	Stateline Project	6/1/2014	6/1/2014		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No
1091041	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	Stateline Project	6/1/2014	6/1/2014		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1091034	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1091035	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1091041	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
MIDW	AG2-2006-106

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090964	WR	WR	35	1/1/2007	1/1/2012	6/1/2011	6/1/2016			$ 2,080,531	$ 5,471,729
MIDW	1090965	WR	WR	10	1/1/2007	1/1/2012	6/1/2011	6/1/2016			$ 594,408	$ 1,563,264
									$ -	$ -	$ 2,674,939	$ 7,034,993

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090964	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		Yes	$ 66,643	$ 7,520,000	$ 195,164
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	Yes	$ 144,575	$ 1,500,000	$ 425,584
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 276,096	$ 94,396,814	$ 575,529
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 7,312	$ 2,500,000	$ 14,971
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 107,976	$ 5,000,000	$ 221,073
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 354,866	$ 31,000,000	$ 899,177
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 240,393	$ 21,000,000	$ 492,187
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 70,189	$ 24,875,000	$ 146,311
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 22,417	$ 10,318,679	$ 46,729
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 790,064	$ 42,000,000	$ 2,455,004
					Total	$ 2,080,531	$ 240,110,493	$ 5,471,729
1090965	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		Yes	$ 19,038	$ 7,520,000	$ 55,753
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	Yes	$ 41,305	$ 1,500,000	$ 121,589
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 78,885	$ 94,396,814	$ 164,438
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 2,089	$ 2,500,000	$ 4,277
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 30,848	$ 5,000,000	$ 63,159
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 101,390	$ 31,000,000	$ 256,907
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 68,684	$ 21,000,000	$ 140,625
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 20,054	$ 24,875,000	$ 41,803
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 6,403	$ 10,318,679	$ 13,347
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 225,712	$ 42,000,000	$ 701,366
					Total	$ 594,408	$ 240,110,493	$ 1,563,264

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090964	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes
	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	Yes
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1090965	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes
	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	Yes
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	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	Earliest Service Start Date	Redispatch Available
1090964	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090965	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
MIDW	AG2-2006-107

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090817	WR	WR	25	6/1/2007	6/1/2017	6/1/2011	6/1/2021			$ 1,486,045	$ 4,565,817
									$ -	$ -	$ 1,486,045	$ 4,565,817

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090817	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		Yes	$ 47,585	$ 7,520,000	$ 170,342
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	Yes	$ 103,254	$ 1,500,000	$ 358,507
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 197,211	$ 94,396,814	$ 492,592
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 5,223	$ 2,500,000	$ 11,842
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 77,124	$ 5,000,000	$ 174,859
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 253,476	$ 31,000,000	$ 734,863
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 171,709	$ 21,000,000	$ 389,305
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 50,135	$ 24,875,000	$ 125,227
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 16,013	$ 10,318,679	$ 39,997
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 564,315	$ 42,000,000	$ 2,068,283
					Total	$ 1,486,045	$ 240,110,493	$ 4,565,817

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090817	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes
	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	Yes
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	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	Earliest Service Start Date	Redispatch Available
1090817	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
MIDW	AG2-2006-108

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090826	WR	WR	40	6/1/2008	6/1/2028	6/1/2011	6/1/2031			$ 2,377,710	$ 9,700,724
MIDW	1090829	WR	WR	15	6/1/2008	6/1/2028	6/1/2011	6/1/2031			$ 875,301	$ 2,899,950
MIDW	1090839	WR	WR	40	6/1/2008	6/1/2018	6/1/2011	6/1/2021			$ 2,377,710	$ 7,305,448
MIDW	1090841	WR	WR	40	6/1/2008	6/1/2018	6/1/2011	6/1/2021			$ 2,377,710	$ 7,305,448
MIDW	1090844	WR	WR	10	6/1/2008	6/1/2028	6/1/2011	6/1/2031			$ 594,408	$ 2,425,089
MIDW	1090852	WR	WR	10	6/1/2008	6/1/2018	6/1/2011	6/1/2021			$ 594,408	$ 1,826,293
MIDW	1090853	WR	WR	19	6/1/2008	6/1/2018	6/1/2011	6/1/2021			$ 1,129,399	$ 3,470,044
MIDW	1090854	WR	WR	6	6/1/2008	6/1/2018	6/1/2011	6/1/2021			$ 356,656	$ 1,095,819
MIDW	1091052	WR	WR	10	6/1/2008	6/1/2013	6/1/2011	6/1/2016			$ 594,408	$ 1,563,264
MIDW	1091053	WR	WR	20	6/1/2008	6/1/2013	6/1/2011	6/1/2016			$ 1,188,854	$ 3,126,645
MIDW	1091055	WR	WR	30	6/1/2008	6/1/2013	6/1/2011	6/1/2016			$ 1,783,304	$ 4,690,033
MIDW	1091057	WR	WR	10	6/1/2008	6/1/2018	6/1/2011	6/1/2021			$ 594,408	$ 1,826,293
									$ -	$ -	$ 14,844,276	$ 47,235,049

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090826	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 76,152	$ 7,520,000	$ 388,132
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 165,219	$ 1,500,000	$ 773,168
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 315,538	$ 94,396,814	$ 1,088,837
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 8,357	$ 2,500,000	$ 22,969
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 123,400	$ 5,000,000	$ 339,166
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 405,561	$ 31,000,000	$ 1,507,887
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 274,735	$ 21,000,000	$ 755,112
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 80,216	$ 24,875,000	$ 276,804
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 25,613	$ 10,318,679	$ 88,384
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 902,919	$ 42,000,000	$ 4,460,263
					Total	$ 2,377,710	$ 240,110,493	$ 9,700,724
1090829	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 29,052	$ 7,520,000	$ 112,894
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 45,106	$ 1,500,000	$ 169,795
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 118,327	$ 94,396,814	$ 320,878
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 3,134	$ 2,500,000	$ 7,569
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 46,276	$ 5,000,000	$ 111,767
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 152,085	$ 31,000,000	$ 475,094
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 103,026	$ 21,000,000	$ 248,832
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 30,081	$ 24,875,000	$ 81,573
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 9,610	$ 10,318,679	$ 26,060
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 338,604	$ 42,000,000	$ 1,345,487
					Total	$ 875,301	$ 240,110,493	$ 2,899,950
1090839	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 76,152	$ 7,520,000	$ 272,604
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 165,219	$ 1,500,000	$ 573,654
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 315,538	$ 94,396,814	$ 788,149
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 8,357	$ 2,500,000	$ 18,947
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 123,400	$ 5,000,000	$ 279,777
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 405,561	$ 31,000,000	$ 1,175,779
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 274,735	$ 21,000,000	$ 622,890
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 80,216	$ 24,875,000	$ 200,363
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 25,613	$ 10,318,679	$ 63,976
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 902,919	$ 42,000,000	$ 3,309,308
					Total	$ 2,377,710	$ 240,110,493	$ 7,305,448
1090841	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 76,152	$ 7,520,000	$ 272,604
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 165,219	$ 1,500,000	$ 573,654
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 315,538	$ 94,396,814	$ 788,149
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 8,357	$ 2,500,000	$ 18,947
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 123,400	$ 5,000,000	$ 279,777
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 405,561	$ 31,000,000	$ 1,175,779
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 274,735	$ 21,000,000	$ 622,890
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 80,216	$ 24,875,000	$ 200,363
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 25,613	$ 10,318,679	$ 63,976
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 902,919	$ 42,000,000	$ 3,309,308
					Total	$ 2,377,710	$ 240,110,493	$ 7,305,448
1090844	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 19,038	$ 7,520,000	$ 97,033
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 41,305	$ 1,500,000	$ 193,293
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 78,885	$ 94,396,814	$ 272,211
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 2,089	$ 2,500,000	$ 5,742
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 30,848	$ 5,000,000	$ 84,786
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 101,390	$ 31,000,000	$ 376,971
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 68,684	$ 21,000,000	$ 188,779
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 20,054	$ 24,875,000	$ 69,201
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 6,403	$ 10,318,679	$ 22,095
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 225,712	$ 42,000,000	$ 1,114,978
					Total	$ 594,408	$ 240,110,493	$ 2,425,089
1090852	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 19,038	$ 7,520,000	$ 68,151
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 41,305	$ 1,500,000	$ 143,414

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 78,885	$ 94,396,814	$ 197,038
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 2,089	$ 2,500,000	$ 4,736
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 30,848	$ 5,000,000	$ 69,940
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 101,390	$ 31,000,000	$ 293,944
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 68,684	$ 21,000,000	$ 155,723
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 20,054	$ 24,875,000	$ 50,091
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 6,403	$ 10,318,679	$ 15,993
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 225,712	$ 42,000,000	$ 827,262
					Total	$ 594,408	$ 240,110,493	$ 1,826,293
1090853	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 36,174	$ 7,520,000	$ 129,493
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 78,474	$ 1,500,000	$ 272,468
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 149,892	$ 94,396,814	$ 374,399
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 3,970	$ 2,500,000	$ 9,001
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 58,614	$ 5,000,000	$ 132,892
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 192,637	$ 31,000,000	$ 558,482
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 130,496	$ 21,000,000	$ 295,866
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 38,098	$ 24,875,000	$ 95,161
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 12,163	$ 10,318,679	$ 30,381
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 428,881	$ 42,000,000	$ 1,571,901
					Total	$ 1,129,399	$ 240,110,493	$ 3,470,044
1090854	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 11,431	$ 7,520,000	$ 40,920
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 24,780	$ 1,500,000	$ 86,038
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 47,319	$ 94,396,814	$ 118,193
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,253	$ 2,500,000	$ 2,841
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 18,510	$ 5,000,000	$ 41,967
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 60,839	$ 31,000,000	$ 176,381
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 41,213	$ 21,000,000	$ 93,440
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 12,037	$ 24,875,000	$ 30,066
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 3,840	$ 10,318,679	$ 9,592
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 135,434	$ 42,000,000	$ 496,382
					Total	$ 356,656	$ 240,110,493	$ 1,095,819
1091052	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 19,038	$ 7,520,000	$ 55,753
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 41,305	$ 1,500,000	$ 121,589
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 78,885	$ 94,396,814	$ 164,438
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 2,089	$ 2,500,000	$ 4,277
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 30,848	$ 5,000,000	$ 63,159
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 101,390	$ 31,000,000	$ 256,907
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 68,684	$ 21,000,000	$ 140,625
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 20,054	$ 24,875,000	$ 41,803
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 6,403	$ 10,318,679	$ 13,347
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 225,712	$ 42,000,000	$ 701,366
					Total	$ 951,064	$ 480,220,986	$ 2,659,083
1091053	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 38,076	$ 7,520,000	$ 111,505
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 82,610	$ 1,500,000	$ 243,178
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 157,769	$ 94,396,814	$ 328,873
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 4,178	$ 2,500,000	$ 8,554
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 61,700	$ 5,000,000	$ 126,326
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 202,780	$ 31,000,000	$ 513,814
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 137,367	$ 21,000,000	$ 281,249
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 40,108	$ 24,875,000	$ 83,606
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 12,806	$ 10,318,679	$ 26,694
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 451,460	$ 42,000,000	$ 1,402,844
					Total	$ 2,139,918	$ 720,331,479	$ 5,785,728
1091055	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 57,114	$ 7,520,000	$ 167,258
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 123,914	$ 1,500,000	$ 364,764
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 236,654	$ 94,396,814	$ 493,311
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 6,268	$ 2,500,000	$ 12,833
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 92,552	$ 5,000,000	$ 189,493
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 304,171	$ 31,000,000	$ 770,724
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 206,051	$ 21,000,000	$ 421,874
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 60,162	$ 24,875,000	$ 125,409
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 19,210	$ 10,318,679	$ 40,044
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 677,208	$ 42,000,000	$ 2,104,321
					Total	$ 3,923,222	$ 960,441,972	$ 10,475,761
1091057	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 19,038	$ 7,520,000	$ 68,151
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 41,305	$ 1,500,000	$ 143,414
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 78,885	$ 94,396,814	$ 197,038
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 2,089	$ 2,500,000	$ 4,736
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 30,848	$ 5,000,000	$ 69,940
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 101,390	$ 31,000,000	$ 293,944
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 68,684	$ 21,000,000	$ 155,723
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 20,054	$ 24,875,000	$ 50,091
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 6,403	$ 10,318,679	$ 15,993
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 225,712	$ 42,000,000	$ 827,262
					Total	$ 594,408	$ 240,110,493	$ 1,826,293

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
MIDW	AG2-2006-108

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090826	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1090829	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1090839	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1090841	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1090844	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1090852	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1090853	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1090854	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1091052	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1091053	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1091055	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1091057	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	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	Earliest Service Start Date	Redispatch Available
1090826	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090829	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090839	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090841	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090844	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090852	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090853	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090854	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1091052	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1091053	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1091055	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1091057	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
MIDW	AG2-2006-109

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090851	WR	WR	5	6/1/2011	6/1/2031					$ 291,752	$ 1,187,093
MIDW	1090855	WR	WR	15	6/1/2011	6/1/2021					$ 875,301	$ 2,682,856
MIDW	1090856	WR	WR	5	6/1/2011	6/1/2021					$ 291,752	$ 894,229
									$ -	$ -	$ 1,458,805	$ 4,764,178

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090851	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 9,684	$ 7,520,000	$ 49,358
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 15,030	$ 1,500,000	$ 70,335
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 39,442	$ 94,396,814	$ 136,104
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,045	$ 2,500,000	$ 2,872
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 15,424	$ 5,000,000	$ 42,393
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 50,695	$ 31,000,000	$ 188,485
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 34,342	$ 21,000,000	$ 94,389
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 10,027	$ 24,875,000	$ 34,601
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 3,207	$ 10,318,679	$ 11,067
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		No	$ 112,856	$ 42,000,000	$ 557,489
					Total	$ 291,752	$ 240,110,493	$ 1,187,093
1090855	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 29,052	$ 7,520,000	$ 103,998
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 45,106	$ 1,500,000	$ 156,612
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 118,327	$ 94,396,814	$ 295,556
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 3,134	$ 2,500,000	$ 7,106
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 46,276	$ 5,000,000	$ 104,919
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 152,085	$ 31,000,000	$ 440,916
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 103,026	$ 21,000,000	$ 233,585
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 30,081	$ 24,875,000	$ 75,136
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 9,610	$ 10,318,679	$ 24,004
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		No	$ 338,604	$ 42,000,000	$ 1,241,025
					Total	$ 875,301	$ 240,110,493	$ 2,682,856
1090856	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 9,684	$ 7,520,000	$ 34,666
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	2/1/2008	10/1/2007	No	$ 15,030	$ 1,500,000	$ 52,185
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 39,442	$ 94,396,814	$ 98,518
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,045	$ 2,500,000	$ 2,369
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 15,424	$ 5,000,000	$ 34,970
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 50,695	$ 31,000,000	$ 146,972
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 34,342	$ 21,000,000	$ 77,862
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 10,027	$ 24,875,000	$ 25,045
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 3,207	$ 10,318,679	$ 8,010
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		No	$ 112,856	$ 42,000,000	$ 413,631
					Total	$ 291,752	$ 240,110,493	$ 894,229

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090851	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1090855	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1090856	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	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	Earliest Service Start Date	Redispatch Available
1090851	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090855	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
1090856	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
MIDW	AG2-2006-110

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090759	WR	WR	5	6/1/2015	6/1/2025					$ 160,982	$ 544,302
MIDW	1091068	WR	WR	15	6/1/2015	6/1/2025					$ 482,954	$ 1,633,011
									$ -	$ -	$ 643,936	$ 2,177,313

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090759	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 9,703	$ 7,520,000	$ 49,881
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 39,272	$ 94,396,814	$ 135,293
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,040	$ 2,500,000	$ 2,802
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 15,032	$ 5,000,000	$ 40,496
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 49,486	$ 31,000,000	$ 180,987
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 33,522	$ 21,000,000	$ 90,309
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 9,805	$ 24,875,000	$ 33,779
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 3,122	$ 10,318,679	$ 10,755
					Total	$ 160,982	$ 196,610,493	$ 544,302
1091068	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 29,149	$ 7,520,000	$ 149,849
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 117,817	$ 94,396,814	$ 405,883
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 3,120	$ 2,500,000	$ 8,405
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 45,092	$ 5,000,000	$ 121,478
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 148,433	$ 31,000,000	$ 542,870
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 100,551	$ 21,000,000	$ 270,885
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 29,403	$ 24,875,000	$ 101,294
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 9,389	$ 10,318,679	$ 32,345
					Total	$ 482,954	$ 196,610,493	$ 1,633,011

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090759	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2009	6/1/2009		
1091068	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	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	Earliest Service Start Date	Redispatch Available
1090759	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
1091068	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer MIDW **Study Number** AG2-2006-118

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	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090959	SECI	WR	75	6/1/2011	6/1/2041					$ 7,287,440	$ 41,117,136
									$ -	$ -	$ 7,287,440	$ 41,117,136

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090959	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 3,286	$ 1,515,113	$ 19,071
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No	$ 22,061	$ 153,114	$ 168,140
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			$ -	$ -	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 350,616	$ 14,795,676	$ 2,016,204
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	6/1/2007			$ 15,420	$ 100,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 189,164	$ 94,396,814	$ 860,118
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 5,010	$ 2,500,000	$ 16,447
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 268,487	$ 5,000,000	$ 881,387
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 632,461	$ 38,504,390	$ 3,670,707
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 8,738	$ 3,200,000	$ 50,714
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 150,218	$ 3,700,000	$ 876,779
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 698,809	$ 31,000,000	$ 3,245,936
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 473,387	$ 21,000,000	$ 1,554,031
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	6/1/2010		No	$ 32,525	$ 2,401,645	$ 187,034
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 338,598	$ 24,875,000	$ 1,539,586
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 108,665	$ 10,318,679	$ 494,093
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		No	$ 3,989,995	$ 42,000,000	$ 25,536,891
					Total	$ 7,287,440	$ 295,460,431	$ 41,117,136

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090959	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	Stateline Project	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090959	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Customer OGE **Study Number** AG2-2006-035

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	Allocated E & C Cost	Total Revenue Requirements
OGE	1087908	OKGE	EES	10	12/1/2006	12/1/2011	6/1/2009	6/1/2014			$ 5,760,802	$ 10,334,754
									$ -	$ -	$ 5,760,802	$ 10,334,754

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1087908	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2008	6/1/2009		Yes	$ 791,809	$ 1,200,000	$ 1,419,479
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 16,823	$ 2,500,000	$ 35,704
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 3,365	$ 500,000	$ 7,828
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2009		Yes	$ 4,948,805	$ 7,500,000	$ 8,871,743
					Total	$ 5,760,802	$ 11,700,000	$ 10,334,754

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1087908	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		

Third Party Limitations

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1087908	4LUTHER 138 (LUTHER) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2008			$ 1,075,000	$ 1,075,000
					Total	$ 1,075,000	$ 1,075,000

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
PNMM	AG2-2006-089

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	Allocated E & C Cost	Total Revenue Requirements
PNMM	1090813	SECI	BLKW	75	6/1/2011	6/1/2041					$ 23,187,694	$ 112,564,311
PNMM	1090814	SECI	BLKW	75	6/1/2011	6/1/2041					$ 23,187,694	$ 112,564,311
									$ -	$ -	$ 46,375,388	$ 225,128,621

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090813	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2011	6/1/2011			$ 150,001	$ 3,125,000	$ 479,905
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No	$ 6,114	$ 153,114	$ 46,598
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 780,280	$ 14,795,676	$ 4,486,970
	LEA COUNTY INTERCHANGE 230KV CAPACITORS	4/1/2008	4/1/2008			$ 133,534	$ 1,381,023	$ 723,782
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	6/1/2007			$ 4,273	$ 100,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 8,933,160	$ 94,396,814	$ 40,618,563
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 236,585	$ 2,500,000	$ 776,659
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 107,289	$ 5,000,000	$ 352,207
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 6,658,054	$ 38,504,390	$ 38,642,330
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 2,183,100	$ 31,000,000	$ 10,140,399
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 1,478,874	$ 21,000,000	$ 4,854,835
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 2,150,160	$ 24,875,000	$ 9,776,653
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 366,270	$ 10,318,679	$ 1,665,409
					Total	$ 23,187,694	$ 247,149,696	$ 112,564,311
1090814	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2011	6/1/2011			$ 150,001	$ 3,125,000	$ 479,905
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No	$ 6,114	$ 153,114	$ 46,598
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 780,280	$ 14,795,676	$ 4,486,970
	LEA COUNTY INTERCHANGE 230KV CAPACITORS	4/1/2008	4/1/2008			$ 133,534	$ 1,381,023	$ 723,782
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	6/1/2007			$ 4,273	$ 100,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 8,933,160	$ 94,396,814	$ 40,618,563
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 236,585	$ 2,500,000	$ 776,659
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 107,289	$ 5,000,000	$ 352,207
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 6,658,054	$ 38,504,390	$ 38,642,330
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 2,183,100	$ 31,000,000	$ 10,140,399
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 1,478,874	$ 21,000,000	$ 4,854,835
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 2,150,160	$ 24,875,000	$ 9,776,653
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 366,270	$ 10,318,679	$ 1,665,409
					Total	$ 23,187,694	$ 247,149,696	$ 112,564,311

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090813	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No
	SNYDER AEPW- SNYDER WFEC INTERCONNECTION	6/1/2015	6/1/2015		
	Stateline Project	6/1/2014	6/1/2014		
1090814	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No
	SNYDER AEPW- SNYDER WFEC INTERCONNECTION	6/1/2015	6/1/2015		
	Stateline Project	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090813	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		
1090814	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer SEPC **Study Number** AG2-2006-043

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	Allocated E & C Cost	Total Revenue Requirements
SEPC	1090236	SECI	WPEK	150	6/1/2011	6/1/2041					$ 16,095,050	$ 91,652,453
									$ -	$ -	$ 16,095,050	$ 91,652,453

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090236	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 1,003,273	$ 2,500,000	$ 5,983,972
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	12/1/2007		No	$ 3,541,383	$ 7,520,000	$ 24,249,228
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 6,648	$ 1,515,113	$ 38,584
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No	$ 2,713	$ 153,114	$ 20,677
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 1,674,447	$ 14,795,676	$ 9,628,844
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	6/1/2007			$ 1,896	$ 100,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 669,838	$ 94,396,814	$ 3,045,715
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 17,740	$ 2,500,000	$ 58,237
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 487,821	$ 5,000,000	$ 1,601,415
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 1,214,666	$ 38,504,390	$ 7,049,736
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 17,477	$ 3,200,000	$ 101,434
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 1,334,648	$ 31,000,000	$ 6,199,379
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 904,116	$ 21,000,000	$ 2,968,024
	Tex-Hitchland-Sherman Tap 115 kV ckt	4/1/2007	6/1/2010		No	$ 804,483	$ 2,401,645	$ 4,626,149
	TRI COUNTY PRAIRIE Interconnection #1	7/1/2007	7/1/2007			$ -	$ -	$ -
	TRI COUNTY PRAIRIE Interconnection #2	7/1/2007	6/1/2008		No	$ 812,516	$ 1,500,000	$ 4,604,205
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 642,971	$ 24,875,000	$ 2,923,552
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 205,705	$ 10,318,679	$ 935,329
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		No	$ 2,752,709	$ 42,000,000	$ 17,617,974
					Total	$ 16,095,050	$ 303,280,431	$ 91,652,453

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090236	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No
	Stateline Project	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090236	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		

Customer SHDY **Study Number** AG2-2006-019

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	Allocated E & C Cost	Total Revenue Requirements
SHDY	1085305	OKGE	CSWS	320	1/8/2008	1/8/2009	6/1/2010	6/1/2011			$ 21,608,260	$ 42,785,449
									$ -	$ -	$ 21,608,260	$ 42,785,449

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1085305	SW SHREVEPORT EXPANSION	6/1/2008	6/1/2010		Yes	$ 21,608,260	$ 40,000,000	$ 42,785,449
					Total	$ 21,608,260	$ 40,000,000	$ 42,785,449

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1085305	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
SPSM	AG2-2006-072

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	Allocated E & C Cost	Total Revenue Requirements
SPSM	1090680	CSWS	BLKW	50	10/1/2006	3/1/2012	6/1/2011	6/1/2016			$ 13,536,837	$ 31,793,260
									$ -	$ -	$ 13,536,837	$ 31,793,260

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090680	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2011	6/1/2011			$ 272,235	$ 3,125,000	$ 543,213
	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 180,333	$ 2,500,000	$ 460,008
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 73,824	$ 2,500,000	$ 184,753
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 14,765	$ 500,000	$ 39,713
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 177,530	$ 14,795,676	$ 468,018
	LEA COUNTY INTERCHANGE 230KV CAPACITORS	4/1/2008	4/1/2008			$ 71,370	$ 1,381,023	$ 177,345
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 5,282,088	$ 94,396,814	$ 11,010,644
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 139,891	$ 2,500,000	$ 286,417
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 3,713,724	$ 38,504,390	$ 9,881,281
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 184,577	$ 31,000,000	$ 467,691
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 125,036	$ 21,000,000	$ 256,002
	SPS MUST RUN GENERATION #2	10/1/2006	10/1/2006			$ -	$ -	$ -
	SPS MUST RUN GENERATION #3	10/1/2007	10/1/2007			$ -	$ -	$ -
	SPS MUST RUN GENERATION #4	6/1/2007	6/1/2007			$ -	$ -	$ -
	SPS MUST RUN GENERATION #5	12/1/2008	12/1/2008			$ -	$ -	$ -
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,822,551	$ 24,875,000	$ 3,799,153
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 368,074	$ 10,318,679	$ 767,259
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 1,110,839	$ 42,000,000	$ 3,451,764
					Total	$ 13,536,837	$ 289,396,582	$ 31,793,260

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090680	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No
	SNYDER AEPW- SNYDER WFEC INTERCONNECTION	6/1/2015	6/1/2015		
	Stateline Project	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090680	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer	Study Number
SPSM	AG2-2006-073

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	Allocated E & C Cost	Total Revenue Requirements
SPSM	1090695	OKGE	EDDY	30	1/1/2007	1/1/2013	6/1/2011	6/1/2017			$ 8,335,070	$ 19,757,289
									$ -	$ -	$ 8,335,070	$ 19,757,289

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090695	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2011	6/1/2011			$ 146,095	$ 3,125,000	$ 297,610
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2014	6/1/2014			$ 32,035	$ 50,000	$ -
	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 91,819	$ 2,500,000	$ 244,138
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2016	6/1/2016			$ 12,790	$ 100,000	$ -
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 113,023	$ 14,795,676	$ 309,256
	LAKE PAULINE - RUSSELL 138KV CKT 1	6/1/2016	6/1/2016			$ 4,136	$ 50,000	$ -
	LEA COUNTY INTERCHANGE 230KV CAPACITORS	4/1/2008	4/1/2008			$ 558,680	$ 1,381,023	$ 1,440,880
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 3,564,650	$ 94,396,814	$ 7,712,322
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 94,406	$ 2,500,000	$ 197,331
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 1,199,299	$ 38,504,390	$ 3,312,015
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 13,928	$ 3,200,000	$ 38,464
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 107,786	$ 31,000,000	$ 280,722
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 73,016	$ 21,000,000	$ 152,621
	SPS MUST RUN GENERATION #3	10/1/2007	10/1/2007			$ -	$ -	$ -
	SPS MUST RUN GENERATION #4	6/1/2007	6/1/2007			$ -	$ -	$ -
	SPS MUST RUN GENERATION #5	12/1/2008	12/1/2008			$ -	$ -	$ -
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,405,883	$ 24,875,000	$ 3,041,707
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 208,458	$ 10,318,679	$ 451,011
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 709,066	$ 42,000,000	$ 2,279,212
					Total	$ 8,335,070	$ 289,796,582	$ 19,757,289

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090695	BOOKER 69KV	6/1/2016	6/1/2016		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		Yes
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		Yes
	SNYDER AEPW- SNYDER WFEC INTERCONNECTION	6/1/2015	6/1/2015		
	Stateline Project	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090695	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer SPSM **Study Number** AG2-2006-074

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	Allocated E & C Cost	Total Revenue Requirements
SPSM	1090699	WPEK	KCPL	50	10/1/2006	10/1/2007	6/1/2010	6/1/2011			$ 1,627,474	$ 3,497,710
									$ -	$ -	$ 1,627,474	$ 3,497,710

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090699	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 261,056	$ 2,500,000	$ 511,757
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 1,959	$ 1,515,113	$ 4,122
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		Yes	$ 21,008	$ 153,114	$ 52,625
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 101,717	$ 14,795,676	$ 212,050
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	6/1/2007			$ 14,684	$ 100,000	$ -
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	3/1/2008	12/1/2007	Yes	$ 665,752	$ 2,200,000	$ 1,580,869
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 315,530	$ 38,504,390	$ 663,893
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 4,990	$ 3,200,000	$ 10,499
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 240,778	$ 3,700,000	$ 461,897
					Total	$ 1,627,474	$ 66,668,293	$ 3,497,710

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090699	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	1/1/2009		Yes
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090699	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Customer SPSM **Study Number** AG2-2006-124

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	Allocated E & C Cost	Total Revenue Requirements
SPSM	1090705	WPEK	KCPL	50	10/1/2006	10/1/2007	6/1/2010	6/1/2011			$ 1,627,474	$ 3,497,710
									$ -	$ -	$ 1,627,474	$ 3,497,710

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090705	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 261,056	$ 2,500,000	$ 511,757
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 1,959	$ 1,515,113	$ 4,122
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		Yes	$ 21,008	$ 153,114	$ 52,625
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 101,717	$ 14,795,676	$ 212,050
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	6/1/2007			$ 14,684	$ 100,000	$ -
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	3/1/2008	12/1/2007	Yes	$ 665,752	$ 2,200,000	$ 1,580,869
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 315,530	$ 38,504,390	$ 663,893
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 4,990	$ 3,200,000	$ 10,499
	SEWARD - ST JOHN 115KV CKT 1	6/1/2008	6/1/2008			$ 240,778	$ 3,700,000	$ 461,897
					Total	$ 1,627,474	$ 66,668,293	$ 3,497,710

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090705	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	1/1/2009		Yes
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	4/1/2008	12/1/2007	Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090705	ST JOHN CAPACITOR	6/1/2007	6/1/2008	10/1/2007	No

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer **Study Number**
UCU AG2-2006-006

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	Allocated E & C Cost	Total Revenue Requirements
UCU	1052923	KCPL	MPS	160	6/1/2010	6/1/2030					$ 3,508,815	$ 12,494,574
									$ -	$ -	$ 3,508,815	$ 12,494,574

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1052923	HARRISONVILLE 161/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 1,067,111	$ 2,100,000	$ 2,448,967
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ 2,373,070	$ 4,123,803	$ 10,045,607
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			$ 68,634	$ 100,000	$ -
					Total	$ 3,508,815	$ 6,323,803	$ 12,494,574

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1052923	ANACONDA - FREEMAN 69KV CKT 1	6/1/2011	6/1/2011		
	ANACONDA - HARRISONVILLE WEST 69KV CKT 1	6/1/2011	6/1/2011		
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2011	6/1/2011		
	EAST 20MVAR CAPACITOR	6/1/2011	6/1/2011		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	12/1/2011	12/1/2011		
	HARRIONSVILLE NORTH - RALPH GREEN 69KV CKT 1	6/1/2011	6/1/2011		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	1/1/2009		No
	RALPH GREEN CAPACITOR	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1052923	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		

Customer **Study Number**
UCU AG2-2006-071

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	Allocated E & C Cost	Total Revenue Requirements
UCU	1090573	EES	MPS	100	6/1/2010	6/1/2040					$ 1,395,513	$ 5,972,051
UCU	1090578	EES	MPS	50	6/1/2010	6/1/2040					$ 743,070	$ 3,230,030
									$ -	$ -	$ 2,138,583	$ 9,202,080

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090573	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 209,421	$ 2,500,000	$ 1,068,096
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 41,884	$ 500,000	$ 215,798
	HARRISONVILLE 161/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 688,593	$ 2,100,000	$ 2,107,760
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ 455,615	$ 4,123,803	$ 2,580,396
					Total	$ 1,395,513	$ 9,223,803	$ 5,972,051
1090578	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 123,690	$ 2,500,000	$ 630,848
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 24,738	$ 500,000	$ 127,457
	HARRISONVILLE 161/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 344,296	$ 2,100,000	$ 1,053,879
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ 250,346	$ 4,123,803	$ 1,417,846
					Total	$ 743,070	$ 9,223,803	$ 3,230,030

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1090573	ANACONDA - FREEMAN 69KV CKT 1	6/1/2011	6/1/2011		
	ANACONDA - HARRISONVILLE WEST 69KV CKT 1	6/1/2011	6/1/2011		
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2011	6/1/2011		
	EAST 20MVAR CAPACITOR	6/1/2011	6/1/2011		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	12/1/2011	12/1/2011		
	HARRIONSVILLE NORTH - RALPH GREEN 69KV CKT 1	6/1/2011	6/1/2011		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	1/1/2009		No
	RALPH GREEN CAPACITOR	6/1/2011	6/1/2011		
1090578	ANACONDA - FREEMAN 69KV CKT 1	6/1/2011	6/1/2011		
	ANACONDA - HARRISONVILLE WEST 69KV CKT 1	6/1/2011	6/1/2011		
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2011	6/1/2011		
	EAST 20MVAR CAPACITOR	6/1/2011	6/1/2011		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	12/1/2011	12/1/2011		
	HARRIONSVILLE NORTH - RALPH GREEN 69KV CKT 1	6/1/2011	6/1/2011		
	RALPH GREEN CAPACITOR	6/1/2011	6/1/2011		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer WRGS **Study Number** AG2-2006-015

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	Allocated E & C Cost	Total Revenue Requirements
WRGS	1076157	KCPL	AECI	30	6/1/2010	6/1/2015					$ 354,974	$ 850,640
									$ -	$ -	$ 354,974	$ 850,640

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1076157	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ 345,910	$ 4,123,803	$ 850,640
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			$ 9,064	$ 100,000	$ -
					Total	$ 354,974	$ 4,223,803	$ 850,640

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1076157	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	12/1/2011	12/1/2011		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1076157	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		

Customer WRGS **Study Number** AG2-2006-016

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	Allocated E & C Cost	Total Revenue Requirements
WRGS	1076158	KCPL	AMRN	20	6/1/2010	6/1/2015					$ 236,650	$ 567,094
									$ -	$ -	$ 236,650	$ 567,094

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1076158	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ 230,607	$ 4,123,803	$ 567,094
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			$ 6,043	$ 100,000	$ -
					Total	$ 236,650	$ 4,223,803	$ 567,094

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1076158	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	12/1/2011	12/1/2011		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1076158	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		

Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated costs for Each Upgrade

Customer WRGS
Study Number AG2-2006-030

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	Allocated E & C Cost	Total Revenue Requirements
WRGS	1086655	OKGE	WR	225	10/1/2006	10/1/2026	6/1/2011	6/1/2031			$ 35,223,057	$ 141,994,153
WRGS	1086656	OKGE	WR	75	10/1/2006	10/1/2026	6/1/2011	6/1/2031			$ 11,741,039	$ 47,331,534
									$ -	$ -	$ 46,964,096	$ 189,325,687

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1086655	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 3,633,509	$ 6,000,000	$ 15,780,720
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 1,161,425	$ 2,500,000	$ 4,861,302
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 232,285	$ 500,000	$ 993,217
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 5,571,381	$ 9,200,000	$ 24,197,040
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2012	6/1/2012			$ 150,002	$ 200,000	$ 572,482
	CRESWELL - NEWKIRK 138KV CKT 1 OKGE	6/1/2012	6/1/2012			$ 2,171,152	$ 4,500,000	$ 8,648,530
	CRESWELL - NEWKIRK 138KV CKT 1 WERE	6/1/2012	6/1/2012			$ 2,286,947	$ 4,740,000	$ 7,701,273
	CRESWELL (CRESWL2X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 936,408	$ 4,000,000	$ 3,347,164
	EEC - COWSKIN 138KV	6/1/2009	6/1/2009			$ 6,083,362	$ 10,000,000	$ 24,435,787
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2016	6/1/2016			$ 59,083	$ 100,000	$ -
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2009	6/1/2009			$ 15,000	$ 20,000	$ -
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 941,243	$ 2,250,000	$ 2,747,720
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 1,794,679	$ 94,396,814	$ 6,192,958
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 47,530	$ 2,500,000	$ 130,637
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 517,668	$ 5,000,000	$ 1,422,816
	REPLACE HOOVER BREAKER	6/1/2009	6/1/2009			$ 74,999	$ 100,000	$ -
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	3/1/2008	10/1/2007	Yes	$ 1,382,211	$ 4,000,000	$ 6,223,647
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 1,803,791	$ 31,000,000	$ 6,706,546
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 1,221,923	$ 21,000,000	$ 3,358,469
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 361,304	$ 24,875,000	$ 1,246,764
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 114,994	$ 10,318,679	$ 396,814
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 4,662,161	$ 42,000,000	$ 23,030,268
					Total	$ 35,223,057	$ 279,200,493	$ 141,994,153
1086656	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 1,211,170	$ 6,000,000	$ 5,260,320
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2009			$ 387,139	$ 2,500,000	$ 1,620,423
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2009			$ 77,428	$ 500,000	$ 331,071
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2016	6/1/2016			$ 1,857,127	$ 9,200,000	$ 8,065,680
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2012	6/1/2012			$ 49,998	$ 200,000	$ 190,817
	CRESWELL - NEWKIRK 138KV CKT 1 OKGE	6/1/2012	6/1/2012			$ 723,721	$ 4,500,000	$ 2,882,858
	CRESWELL - NEWKIRK 138KV CKT 1 WERE	6/1/2012	6/1/2012			$ 762,320	$ 4,740,000	$ 2,567,106
	CRESWELL (CRESWL2X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 312,128	$ 4,000,000	$ 1,115,693
	EEC - COWSKIN 138KV	6/1/2009	6/1/2009			$ 2,027,837	$ 10,000,000	$ 8,145,462
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2016	6/1/2016			$ 19,694	$ 100,000	$ -
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2009	6/1/2009			$ 5,000	$ 20,000	$ -
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			$ 313,748	$ 2,250,000	$ 915,908
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 598,207	$ 94,396,814	$ 2,064,253
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 15,843	$ 2,500,000	$ 43,545
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 172,558	$ 5,000,000	$ 474,278
	REPLACE HOOVER BREAKER	6/1/2009	6/1/2009			$ 25,001	$ 100,000	$ -
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	3/1/2008	10/1/2007	Yes	$ 460,737	$ 4,000,000	$ 2,074,549
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 601,264	$ 31,000,000	$ 2,235,517
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 407,308	$ 21,000,000	$ 1,119,491
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 120,435	$ 24,875,000	$ 415,589
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 38,335	$ 10,318,679	$ 132,284
	WICHITA - RENO 345KV	10/1/2006	6/1/2011		Yes	$ 1,554,041	$ 42,000,000	$ 7,676,693
					Total	$ 11,741,039	$ 279,200,493	$ 47,331,534

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1086655	COFFEYVILLE SUB - DEARING 69KV CKT 1	4/1/2007	2/1/2008	5/1/2007	Yes
	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
1086656	COFFEYVILLE SUB - DEARING 69KV CKT 1	4/1/2007	2/1/2008	5/1/2007	Yes
	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		

Upgrades required for Additional 100 MW Transfer Modeled from OKGE to WR at customer's request for compliance purposes with FERC Order in Docket EC06-48

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1086655	KILDARE - WHITE EAGLE	6/1/2016	6/1/2016			$ 5,013,000	$ 6,684,000	$ 13,620,642
1086656	KILDARE - WHITE EAGLE	6/1/2016	6/1/2016			$ 1,671,000	$ 6,684,000	$ 4,540,214

Notes:
Modeling of request 1086656 assumes New Designated Network Resource no longer Designated Network Resource for OMPA Network Load in OKGE

Table 4 - Upgrade Requirements and Solutions Needed to Provide Transmission Service for the Aggregate Study

Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	BANN - NW TEXARKANA-BANN T 138KV CKT 1	Reset Bann Relay	6/1/2011	6/1/2011	$ 20,000
AEPW	BANN - NW TEXARKANA-BANN T 138KV CKT 1	Reset Relays	6/1/2011	6/1/2011	$ 20,000
AEPW	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	Rebuild 8.37 miles of 795 ACSR with 1590 ACSR & reset relays @ BSE	6/1/2016	6/1/2016	$ 6,000,000
AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 7.66 miles of 3/0 CW CU with 795 ACSR	10/1/2006	6/1/2008	$ 4,000,000
AEPW	CLINTON CITY - THOMAS TAP 69KV CKT 1	Rebuild 13.9 miles of 4/0 ACSR with 795 ACSR	6/1/2015	6/1/2015	$ 7,000,000
AEPW	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	Tie Line, Rebuild 3.93 miles of 795 ACSR with 1590 ACSR	6/1/2009	6/1/2009	$ 2,500,000
AEPW	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	Rebuild 13.11 miles of 795 ACSR with 1590 ACSR	6/1/2016	6/1/2016	$ 9,200,000
AEPW	ELDORADO - LAKE PAULINE 69KV CKT 1	Upgrade Terminal Equipment at Lake Pauline CT	6/1/2015	6/1/2015	$ 100,000
AEPW	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	Replace Hobart Jct. Wavetrap	6/1/2012	6/1/2012	$ 100,000
AEPW	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	Rebuild 2.29 miles of 2-397.5 ACSR with 1590 ACSR	6/1/2011	6/1/2011	$ 1,300,000
AEPW	SW SHREVEPORT EXPANSION	Build SW Shreveport - Port Robson 345 kV line and install 345/138 kV auto @ Port Robsor	6/1/2008	6/1/2010	$ 40,000,000
AEPW	THOMAS TAP - WEATHERFORD 69KV CKT 1	Rebuild 0.9 miles of 4/0 ACSR with 795 ACSR. Replace Weatherford wavetrap	6/1/2011	6/1/2011	$ 450,000
EMDE	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1	Installl new 161/12 kV 22.4 transmer and take load off 69 kV systen	6/1/2015	6/1/2015	$ 5,000,000
EMDE	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1	Replace 75 MVA Auto-xfmr at Oronogo Jct with 150 MVA Auto-xfmr and install 69 kV bank breaker. Auto-xfmr wi have an impedance similar to Aurora 59468, 59537, 59704.	6/1/2015	6/1/2015	$ 5,000,000
EMDE	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1	Reconductor Line	6/1/2016	6/1/2016	$ 6,920,000
EMDE	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST 69KV CKT 1	Replace 600 amp disconnects and leads to breaker #6965 at Joplin #6	6/1/2013	6/1/2013	$ 55,000
EMDE	SUB 389 - JOPLIN SOUTHWEST - SUB 422 - JOPLIN 24TH & CONNECTICUT 161KV CKT 1	Change CT Ratio at Sub #389 on Breaker #16170 for 268 MVA Rate B	6/1/2008	6/1/2008	$ 10,000
GRDA	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	Rebuild line to 1590 ACSR	6/1/2012	6/1/2012	$ 2,244,000
KACP	IATAN - STRANGER CREEK 345KV CKT 2	Convert Iatan-Stranger Creek 161kV line to 345k\	6/1/2011	6/1/2011	$ 4,123,803
MIDW	HEIZER 115/69KV TRANSFORMER CKT 2		6/1/2016	6/1/2016	$ -
MIPU	CLRNDA to MARYVILLE 161kV Ckt 1 MIPU	Rebuild 16.7 miles with 954 ACSR Conductor and Replace Terminal Equipment to Increase MEC to SPP Contrac Path Capacity by 68 MW	1/1/2007	6/1/2009	$ 5,510,000
MIPU	HARRISONVILLE 161/69KV TRANSFORMER CKT 1	Transformer Upgrade	6/1/2016	6/1/2016	$ 2,100,000
MIPU	PLATTE CITY - POPE 161 161KV CKT 1	Replacement of the wavetrap at Platte City	12/1/2011	12/1/2011	$ 100,000
OKGE	5 TRIBES - PECAN CREEK 161KV CKT 1	replace 636AS33 conductor with 795AS33	6/1/2008	6/1/2009	$ 1,200,000
OKGE	CANADIAN - CEDAR LANE 138KV CKT 1	Replace 800A trap at Cedar Lane	6/1/2014	6/1/2014	$ 50,000
OKGE	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	Rebuild & Reconductor 0.57 Miles of 477AS33 to 477 ACCC/TW	6/1/2012	6/1/2012	$ 200,000
OKGE	CRESWELL - NEWKIRK 138KV CKT 1 OKGE	OGE rebuild 11.5 miles of line to 795AS33 conductor, OGEs portion of this line would be rated at a summer rate B c the conductor limit at 308Mva. Next limit is WR disconnect switches and bus at 287MVA.	6/1/2012	6/1/2012	$ 4,500,000
OKGE	KILDARE - WHITE EAGLE	Rebuild 11.14 miles	6/1/2016	6/1/2016	$ 6,684,000
OKGE	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	Tap Muskogee to Riverside line and install a second xfmr at Pecan Cree	6/1/2008	6/1/2009	$ 7,500,000
SPS	Bailey County - Curry County 115 k\	New 115 kV 397 ACSR circuit between Bailey and Curry	6/1/2011	6/1/2011	$ 10,648,185
SPS	BAILEY COUNTY PROGRESS Interconnection #1	New Delivery Point on Bailey County to Curry County 69 kV line at 51233 WMULES will require a dual windin distribution transformer for future 69 to 115 kV convertion Interconnection costs indeterminate.	3/1/2007	3/1/2007	$ -
SPS	BAILEY COUNTY PROGRESS Interconnection #2	Move BAILEY COUNTY PROGRESS Interconnection on new 115 kV Line from Bailey County to Curry County Cos Indeterminate.	6/1/2011	6/1/2011	$ -
SPS	BAILEY COUNTY SUNNYSIDE Interconnection	New Delivery Point on Castro County to Lamton 69 kV Line at 51291 DS-#12 Interconnection costs indeterminate.	10/1/2007	6/1/2006	$ -
SPS	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	Upgrade Roosevelt to Curry 115 kV circuit w/795 ACSR	4/1/2007	6/1/2010	$ 1,515,113
SPS	GSEC Midway Interconnection #1	New Delivery Point tapping 69 kV Tie Line from AEPW Shamrock to SPS Magic Cit	10/1/2006	10/1/2006	$ 70,000
SPS	Hart Interchange 115/69 kV	New 115/69 kV Hart Intg with Lamton to Castro Co 69 kV ckt, 40 MVA auto Move Normally Open 69 kV Point South c Hart	6/1/2016	6/1/2016	$ 3,500,000
SPS	Hitchland 345 and 115 kV Interchange	Three breaker 345 kV bus, 345/115 kV transformer, five 115 kV breakers	4/1/2007	6/1/2010	$ 14,795,676
SPS	LEA COUNTY INTERCHANGE 230KV CAPACITORS	Install 2 - 50 MVar capacitor banks on the 230 kV bus at Lea County Interchang	4/1/2008	4/1/2008	$ 1,381,023
SPS	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	Add 2nd 230/115 kV transformer at Moore County	6/1/2012	6/1/2012	$ 6,837,000
SPS	Mooreland - TUCO 345 kV SPS	New 345 kV line from Tuco to Mooreland on wooden h-frame structures	6/1/2011	6/1/2011	$ 94,396,814
SPS	Potter - Roosevelt 345KV	New 345 kV circuit from Potter - Roosevelt 2-795 ACSR & 345/230 kV 560 MVA transforme	4/1/2007	6/1/2010	$ 38,504,390
SPS	RITA BLANCA Masterson (EXELL) Interconnection	New Delivery Point Interconnection at 50674 EXELL 69 kV costs indeterminate	10/1/2006	10/1/2006	$ -
SPS	RITA BLANCA RITA (Sherman) Interconnection	New Delivery Point at 50622 SHERMN 69 kV Interconnection costs indeterminate	9/1/2007	9/1/2007	$ -
SPS	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	Add 2nd transformer 230/115 kV 252 MVA	4/1/2007	6/1/2010	$ 3,200,000
SPS	SOUTH PLAINS ALCOVE Interconnection	New Delivery Point at 51656 Carlisle 115 kV Interconnection costs indeterminate	3/1/2009	3/1/2009	$ -
SPS	SOUTH PLAINS MILWAUKEE and SLIDE Interconnection	New Delivery Points at Wolforth 115 kV Interconnection costs indeterminate	3/1/2013	3/1/2013	$ -
SPS	SOUTH PLAINS WOLFFORTH Interconnection	New Delivery Point on Wolforth to Yuma 115 kV line Interconnection costs indeterminat	3/1/2011	3/1/2011	$ -
SPS	SPS MUST RUN GENERATION #2	SPS Voltage Instability for Tolk to Eddu 345 kV outage due to Scheduled Cunningham Outage and either High Win Generation Level or Import Level in 2006 Fall Peak MUST Run Cunningham and Maddox Generation in order to not exceed approximately 225 MW of Flow	10/1/2006	10/1/2006	$ -
SPS	SPS MUST RUN GENERATION #3	SPS Voltage Instability for Tolk to Eddy 345 kV outage due to Scheduled Cunningham Outage and either High Win Generation Level or Import Level in 2007 Fall Peak MUST Run Cunningham and Maddox Generation in order to not exceed approximately 225 MW of Flow	10/1/2007	10/1/2007	$ -
SPS	SPS MUST RUN GENERATION #4	SPS Voltage Instability for Tolk to Eddy 345 kV outage due to High Wind Generation Level and/or Import Level in 200 Summer Shoulder MUST Run Cunningham and Maddox Generation in order to not exceed approximately 225 MW of Flow on Tolk to Eddy 345 kV line.	6/1/2007	6/1/2007	$ -
SPS	SPS MUST RUN GENERATION #5	Must Run Requirement of Cunningham #2 and Maddox #1 to prevent Voltage Collapse in Winter Peaks for the Tolk t Eddy 345 kV line outage	12/1/2008	12/1/2008	$ -
SPS	Tex-Hitchland-Sherman Tap 115 kV ck	Route Sherman Tap to Texas Co in/out of New Hitchland Interchang	4/1/2007	6/1/2010	$ 2,401,645
SPS	TRI COUNTY HILLER Interconnection	New Delivery Point addition at Texas County 115 kV Interconnection costs indeterminat	7/1/2007	7/1/2007	$ -
SPS	TRI COUNTY PRAIRIE Interconnection #1	New Delivery Point on Texas County to Liberal 115 kV line Interconnection costs indeterminat	7/1/2007	7/1/2007	$ -
SPS	TRI COUNTY PRAIRIE Interconnection #2	Move Texas County Phase Shifter to TRI COUNTY PRAIRIE Interconnectio	7/1/2007	6/1/2008	$ 1,500,000

Table 4 - Upgrade Requirements and Solutions Needed to Provide Transmission Service for the Aggregate Study

Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
SPS	Tuco - Tolk 345kV	Build new 345kV line from Tuco to Tol	6/1/2011	6/1/2011	$ 24,875,000
SPS	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	Install 345/115 kV Transformer at Tuc	6/1/2011	6/1/2011	$ 10,318,679
SPS	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	Upgrade Transformer 230/115 kV 252 MVA	6/1/2007	6/1/2008	$ 2,500,000
SUNC	Spearville - Mooreland 345 kV SUNC	New 345 kV line from Spearville to Kansas/Oklahoma Statelin	6/1/2011	6/1/2011	$ 31,000,000
WEPL	Ashland Capacitor	Add 1x0.6 Mvar Cap banks at Ashlan	6/1/2012	6/1/2012	$ 100,000
WEPL	Cimarron Plant Substation Expansio	Integrate SUNC North Cimarron Top into reconfigured WEPL Cimarron Plant Sul	6/1/2009	6/1/2009	$ 2,500,000
WEPL	CLAY CENTER - GREENLEAF 115KV CKT 1	Building a new 115 kV tie with Westar from Greenleaf to Clay Cente	6/1/2007	12/1/2007	$ 7,520,000
WEPL	GREENSBURG - JUDSON LARGE 115KV CKT 1	Replace relaying	10/1/2006	6/1/2007	$ 153,114
WEPL	Hoisington Capacitors	Add 2x0.8 Mvar Cap banks at Hoisingto	6/1/2008	6/1/2008	$ 150,000
WEPL	Kingman 115 kV and 34.5 kV Expansion	Build 17 mile 115 kV line from Pratt to Cunningham with new 115/34.5 kV Substation at Cunningham and upgrade 1 mile 34.5 kV line from Cunningham to Kingman	10/1/2006	6/1/2010	$ 10,000,000
WEPL	MEDICINE LODGE - SUN CITY 115KV CKT 1	Upgrade CTs and Wave Trap Limits	6/1/2007	6/1/2007	$ 100,000
WEPL	SEWARD - ST JOHN 115KV CKT 1	Rebuild Seward - St John 115kV Lin	6/1/2008	6/1/2008	$ 3,700,000
WERE	ARKANSAS CITY - PARIS 69KV CKT 1	Tear down / rebuild 1.67-mile line, 954 kcmil ACSF	6/1/2007	3/1/2008	$ 600,000
WERE	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	Reset terminal equipmen	6/1/2016	6/1/2016	$ 40,000
WERE	CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	Tear down / Rebuild 9.1-mile lin	6/1/2011	6/1/2011	$ 3,550,000
WERE	CITY OF WINFIELD - RAINBOW 69KV CKT 1	Rainbow-Winfield line	6/1/2007	2/1/2008	$ 1,560,000
WERE	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	Rebuild 14.63-mile Timber Tap-Winfield 69 kV line, 954 ACSF	6/1/2011	6/1/2011	$ 4,960,000
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	Rebuild line using 1590 ACSR, WERE portion is 1.09 mile	6/1/2009	6/1/2009	$ 500,000
WERE	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	Replace County Line Transforme	6/1/2008	6/1/2008	$ 1,500,000
WERE	CRESWELL - NEWKIRK 138KV CKT 1 WERE	Rebuild Creswell-Newkirk 13	6/1/2012	6/1/2012	$ 4,740,000
WERE	CRESWELL - OAK 69KV CKT 1	Rebuild substations	6/1/2007	6/1/2007	$ 250,000
WERE	CRESWELL - OAK 69KV CKT 1	Replace jumpers and bus, and reset CTs and relaying. Rebuild substation	6/1/2007	6/1/2007	$ 250,000
WERE	CRESWELL - PARIS 69KV CKT 1	Rebuild substations	6/1/2007	2/1/2008	$ 300,000
WERE	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	Rebuild 9.43 mile Creswell-SC4 Rome as a 138 kV line but operate at 69 k	6/1/2011	6/1/2011	$ 3,200,000
WERE	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	Replace transformers	6/1/2011	6/1/2011	$ 4,000,000
WERE	CRESWELL (CRESWL2X) 138/69/13.2KV TRANSFORMER CKT 1	Replace transformers	6/1/2011	6/1/2011	$ 4,000,000
WERE	EEC - COWSKIN 138KV		6/1/2009	6/1/2009	$ 10,000,000
WERE	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	Rebuild Gill-Gill Jc	6/1/2007	2/1/2008	$ 1,500,000
WERE	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	Replace wave trap	6/1/2009	6/1/2009	$ 20,000
WERE	KEPCO Humbolt Interconnectior	New Delivery Point at 57650 UN8HUMB 69 kV Interconnection costs indeterminate	10/1/2006	10/1/2006	$ -
WERE	KEPCO K-18 Interconnectior	New Delivery Point at 57330 JCTCTY 115 kV Interconnection costs indeterminate	6/1/2007	6/1/2007	$ -
WERE	KEPCO Louisville Interconnectio	New Delivery Point at 57339 S ALMA 115 kV Interconnection costs indeterminate	10/1/2006	10/1/2006	$ -
WERE	LAWRENCE HILL - WREN 115KV CKT 1	Rebuild 3.43 mile Lawrence Hill-Wren 115 kV line	6/1/2011	6/1/2011	$ 1,200,000
WERE	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	Install second Lawrence Hill 230-115 kV transforme	6/1/2016	6/1/2016	$ 2,250,000
WERE	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	Tear down and rebuild 6.40 mile Mockingbird-Stull Tap 115 kV line.	10/1/2007	3/1/2008	$ 2,200,000
WERE	OAK - RAINBOW 69KV CKT 1	Oak-Rainbow rebuil	6/1/2007	2/1/2008	$ 1,800,000
WERE	REPLACE HOOVER BREAKER		6/1/2009	6/1/2009	$ 100,000
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 k	4/1/2007	3/1/2008	$ 1,900,000
WERE	RICHLAND - UDALL 69KV CKT 1	Richland-Udall rebuil	6/1/2007	5/1/2008	$ 2,900,000
WERE	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	Add third 345-138 kV transformer at Rose Hil	6/1/2007	3/1/2008	$ 4,000,000
WERE	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 4.09 mile SW Lawrence-Wakarusa 115 kV line	6/1/2007	3/1/2008	$ 1,400,000
WERE	TIMBER JUNCTION - UDALL 69KV CKT 1	Udall-Timber rebuil	6/1/2010	6/1/2010	$ 700,000
WERE	WICHITA - RENO 345KV	Build 345kV from Wichita to Reno Cc	10/1/2006	6/1/2011	$ 42,000,000
WFEC	ALTUS JCT TAP - RUSSELL 138KV CKT 1	Reconductor 12.5 miles from 336 to 795 ACSR	6/1/2011	6/1/2011	$ 3,125,000
WFEC	ELDORADO - ELDORADO JCT 69KV CKT 1	Rebuild 1/0 to 336 ACSR - 11.5 miles	6/1/2015	6/1/2015	$ 2,600,000
WFEC	ELDORADO JCT - GYPSUM 69KV CKT 1	Rebuild 1/0 to 336 ACSR - 8.0 miles	6/1/2015	6/1/2015	$ 1,800,000
WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	Replace switches and wavetrap at Franklin Switch to 2000	6/1/2016	6/1/2016	$ 100,000
WFEC	LAKE PAULINE - RUSSELL 138KV CKT 1	Upgrade Terminal Equipment (Adjust CT's	6/1/2016	6/1/2016	$ 50,000
WFEC	Mooreland - TUCO 345 kV WFEC	345 kV line Termina	6/1/2011	6/1/2011	$ 2,500,000
WFEC	Mooreland 345/138 kV Transforme	New Mooreland 345/138 kV Transforme	6/1/2011	6/1/2011	$ 5,000,000
WFEC	Spearville - Mooreland 345 kV WFEC	New 345 kV line from Kansas/Oklahoma Stateline to Moorelan	6/1/2011	6/1/2011	$ 21,000,000

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	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
KACY	KAW WEST 161/69KV TRANSFORMER CKT 1	Move load to 161kV system	6/1/2007	6/1/2008
MIDW	ST JOHN CAPACITOR	MIDW St. John Capacitors (2008 Summer)	6/1/2007	6/1/2008
MIPU	IATAN - ST JOE 345KV CKT 1	Circuit Breaker	6/1/2011	6/1/2011
OKGE	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	OGE would rebuild .18 miles of 267AS33 with 795AS33. This would raise OGE's summer and winter Rate B t 287MVA. The limit will still be at WFEC's Mooreland at 390A & 600A.	12/1/2007	4/1/2008
SPS	TERRY COUNTY INTERCHANGE 115/69KV TRANSFORMERS	Upgrade both existing transformer by 10/1/200	6/1/2007	6/1/2007
SPS	TUCO INTERCHANGE 230KV #1	SPS Proposed Plan for SPP-2004-006,007,008,009 WTMPA to 2 50 MVAR Shunt Capacitors at TUCO 230 kV, a 50 MVAR Shunt Capacitor at Swisher 230 kV, a 50 MVAR Shunt Capacitor at Lubbock South 230 kV, and a 50 MVAR Shunt Capacitor at Carlisle 230 kV	6/1/2007	6/1/2007
SPS	TUCO INTERCHANGE 230KV #2	SPS Proposed Plan for SPP-2004-006,007,008,009 WTMPA to Add +150/-50 SVC at TUCO 230 kV	6/1/2008	6/1/2008
SUNC	HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1	Holcomb to Pioneer Tap Rebuil	6/1/2007	6/1/2008
WERE	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	Rebuild 5.73 mile Weaver-Rose Hill Junction as a 138 kV line but operate at 69 k	10/1/2006	6/1/2009
WFEC	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	Upgrade terminal equipment FPL Sw & Moorelan	12/1/2007	4/1/2008
WFEC	FT SUPPLY 138/69KV TRANSFORMER CKT 1	Install 2nd 70 MVA auto at Ft Suppl	6/1/2007	6/1/2008
WFEC	HAMON BUTLER - MOREWOOD 69KV CKT 1	Reconductor 1/0 to 336 ACSR - 15.0 miles	6/1/2007	4/1/2008

Table 4 - 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	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	AEPW PLANNED UPGRADE FOR NW ARKANSAS	NW Project phase II scheduled to be in-service 06/200	12/1/2006	6/1/2009
AEPW	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	Rebuild 1.68 miles of 1024 ACAR with 2156 ACSR, Replace wavetrap & jumpers with 2156 ACSR. Replace Switch 2285 @ Alumax Tap.	6/1/2007	4/1/2008
AEPW	BONANZA - BONANZA TAP 161KV CKT 1	Rebuild 0.06 miles of 397 ACSR with 1272 ACSR & reset relay @ Bonanza or Bonanza T-Excelsior-Midland-N Huntington 161 kV loop	6/1/2013	6/1/2013
AEPW	ELK CITY - ELK CITY 69KV CKT 1 AEPW	Replace metering CTs & Jumpers and reset relay Ct	12/1/2011	12/1/2011
AEPW	LINWOOD - MCWILLIE STREET 138KV CKT 1	Rebuild 2.09 miles of 666 ACSR with 1272 ACSR	6/1/2007	4/1/2008
AEPW	Siloam Springs - South Fayetteville 161 k\	Convert Existing 69 kV Line to 161 kV Operatio	6/1/2015	6/1/2015
AEPW	WEATHERFORD SOUTHEAST (WTH_SE) 138/69/13.8KV TRANSFORMER CKT 1	Install new 90 MVA Autc	6/1/2007	1/1/2008
AEPWWFEC	SNYDER AEPW- SNYDER WFEC INTERCONNECTION	New Tie line between AEPW's Snyder and WFEC's Snyde	6/1/2015	6/1/2015
EMDE	JAMESVILLE - SUB 415 - BLACKHAWK JCT 69KV CKT 1	Replace Jumpers to breaker #6950 at Blackhawk Jct	6/1/2011	6/1/2011
EMDE	SUB 124 - AURORA HT - SUB 152 - MONETT HT 69KV CKT 1	Change CT Ratio on breaker #6936 at Aurora #12	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 at Riverton Sub #40	6/1/2016	6/1/2016
GRDA	GRAY TAP - PENSACOLA 69KV CKT 1	Rebuild line to 795 ACSR	6/1/2008	6/1/2008
MIDW	HAYS PLANT - SOUTH HAYS 115KV CKT 1	Reconductor line	6/1/2007	6/1/2009
MIPU	ANACONDA - FREEMAN 69KV CKT 1	Conductor	6/1/2011	6/1/2011
MIPU	ANACONDA - HARRISONVILLE WEST 69KV CKT 1	Conductor	6/1/2011	6/1/2011
MIPU	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	Conductor	6/1/2008	10/1/2008
MIPU	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	Conductor	6/1/2011	6/1/2011
MIPU	EAST 20MVAR CAPACITOR	Add 20MVAR capacitor at East 161kV	6/1/2011	6/1/2011
MIPU	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	Wave Trap	12/1/2011	12/1/2011
MIPU	HARRIONSVILLE NORTH - RALPH GREEN 69KV CKT 1	Rebuild line to larger conducto	6/1/2011	6/1/2011
MIPU	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	Upgrade to bundled 795 26/7 ACSR conducto	12/1/2006	12/31/2008
MIPU	RALPH GREEN CAPACITOR	12MVAR at Ralph Green	6/1/2011	6/1/2011
SPS	BC-EARTH INTERCHANGE 115KV	Install 1 - 14.4 MVar capacitor ban	6/1/2013	6/1/2013
SPS	BOOKER 69KV	Install 1 - 7.2 MVar capacitor bank at Booker 69 k\	6/1/2016	6/1/2016
SPS	COX INTERCHANGE - LH-COX3 115KV CKT 1	Rebuild Cox-LHCox 115 kV circuit w/397 ACSF	6/1/2016	6/1/2015
SPS	HALE CO INTERCHANGE - LH-COX3 115KV CKT 1	Rebuild Hale - LHCox 115 kV circuit w/397 ACSF	6/1/2016	6/1/2015
SPS	Hart Interchange 230/115 kV	New 230/115 kV Hart Intg with 115 kV 397 ACSR ckt to Kress Int, 3-brkr 230 kV ring, 150 MVA auto, 115 kV terminal	6/1/2011	6/1/2011
SPS	KRESS INTERCHANGE 115/69KV TRANSFORMERS	Upgrade both existing transforme	6/1/2007	6/1/2007
SPS	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	Expedite SPS Planned Upgrade with 6/1/2009 inservice date to install 252 MVA Transformer for GSEC Mustang DNR to 6/1/2008	4/1/2007	6/1/2008
SPS	Pringle - Etter 115 kV	Build New 115 kV line from Pringle to Ette	6/1/2012	6/1/2012
SPS	Seven Rivers to Pecos to Potash Junction 230k\	Seven Rivers to Pecos to Potash Junction 230k\	6/1/2007	6/1/2009
SPS	Stateline Project	Tap Elk City - Grapevine. New line from Stateline Tap to Graves Co. New 115/69xfmr at Graves C	6/1/2014	6/1/2014
SPS	TUCO INTERCHANGE 115/69KV TRANSFORMER	Move Load to 115 kV at TUCO	6/1/2007	6/1/2007
SWPA	BULL SHOALS - BULL SHOALS 161KV CKT 1	Replace buswork in Bull Shoals switchyarc	6/1/2009	6/1/2009
WERE	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	Rebuild 7.61 miles from 95th & Waverly-Captain Junction 115 kV line	6/1/2009	6/1/2009
WERE	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	Tear down / Rebuild 3.53-mile section of line, 556.5 kcmil ACSF	6/1/2007	1/1/2008
WERE	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	Rebuild 16.66 mile Circleville-Hoyt HTI Junction 115 kV line	6/1/2010	6/1/2010
WERE	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	Rebuild 15.15 mile line with 1192.5 kcmil ACSR and replace CT	6/1/2010	6/1/2010
WERE	COFFEYVILLE SUB - DEARING 69KV CKT 1	Replace line switches and Cts/Rebuild 1.13-mile section of Coffeyville city-Dearing 69 kV lin	4/1/2007	2/1/2008
WERE	COUNTY LINE - HOOK JCT 115KV CKT 1	Tear down / rebuild 2.52-mile County Line-Hook Jct 115 kV line, 1192 ACSI	6/1/2011	6/1/2011
WERE	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	2nd Dearing 138-69 kV Transforme	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.	6/1/2007	1/1/2008
WERE	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	Rebuild 5.56-mile line, 954 ACSR	6/1/2007	1/1/2008
WERE	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	Rebuild 4.04-mile Hook Jct-TEC 115 kV line, 1192.5 ACSF	6/1/2011	6/1/2011
WERE	KELLY - KING HILL N.M. COOP 115KV CKT 1	Rebuild 9.61-mile line, 1192.5 ACSF	6/1/2010	6/1/2010
WERE	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	Rebuild 9.84-mile line, 1192.5 ACSF	10/1/2007	4/1/2008
WERE	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	Uprate 0.24 mile TEC-Tecumseh Hill 115 kV line to 100 degree operatior	6/1/2009	6/1/2009
WFEC	CARTER JCT CAPACITOR	Increase 6 to 24 MVAR at Carter JCT	6/1/2011	6/1/2011
WFEC	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	Terminal Upgrade at Mooreland (CT'S)	6/1/2008	6/1/2008
WFEC	GYPSUM - RUSSELL 69KV CKT 1	Reconductor 1/0 to 336 ACSR - 3.1 miles	6/1/2015	6/1/2015
WFEC	WOODWARD - WOODWARD 69KV CKT 1	Replace Terminal Equipmen	6/1/2007	1/1/2008

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

Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
OKGE	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	OGE would rebuild .18 miles of 267AS33 with 795AS33. This would raise OGE's summer and winter Rate B t 287MVA. The limit will still be at WFEC's Mooreland at 390A & 600A.	6/1/2006	4/1/2008
WFEC	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	Upgrade terminal equipment FPL Sw & Moorelanc	6/1/2006	4/1/2008
WFEC	FT SUPPLY 138/69KV TRANSFORMER CKT 1	Install 2nd 70 MVA auto at Ft Suppl	12/1/2006	6/1/2008
WFEC	HAMON BUTLER - MOREWOOD 69KV CKT 1	Reconductor 1/0 to 336 ACSR - 15.0 miles	6/1/2006	4/1/2008

Table 5 - Third Party Facility Constraints

Transmission Owner	Upgrade	Solution	Minimum ATC per Upgrade (MW)	Season of Minimum Allocated ATC	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion	Estimated Engineering & Construction
AECI	4LUTHER 138 (LUTHER) 138/69/13.8KV TRANSFORMER CKT 1	Add 2nd Luther 138/69 kV 56 MVA transformer including breakers, switches and relaying.	0	08WP	6/1/2008	6/1/2008	$ 1,075,000
AECI	HUBEN (HUBEN) 345/161/13.8KV TRANSFORMER CKT 1	Indeterminate	0	16SP	6/1/2016	6/1/2016	Indeterminate
EES	4TAMINA 138 - KINDER MORGAN PIPE 138KV CKT 1	Indeterminate	0	07SP	6/1/2007	6/1/2007	Indeterminate
EES	4TAMINA 138 - TAMINA 138KV CKT 1	Indeterminate	0	07SP	6/1/2007	6/1/2007	Indeterminate
EES	AMELIA BULK - HELBIG BULK 230KV CKT 1	Indeterminate	0	16SP	6/1/2016	6/1/2016	Indeterminate
EES	CHINA - SABINE 230KV CKT 1	Indeterminate	0	11SP	6/1/2009	6/1/2009	Indeterminate
EES	CONROE BULK - PLANTATION 138KV CKT 1	Indeterminate	0	11SP	6/1/2008	6/1/2008	Indeterminate
EES	COUCH SES - MC NIEL 115KV CKT 1	Indeterminate	0	06WP	12/1/2006	12/1/2006	Indeterminate
EES	HARTBURG - INLAND-ORANGE 230KV CKT 1	Indeterminate	0	07AP	4/1/2007	4/1/2007	Indeterminate
EES	HELBIG BULK - MCLEWIS 230KV CKT 1	Indeterminate	0	07AP	4/1/2007	4/1/2007	Indeterminate
EES	INLAND-ORANGE - MCLEWIS 230KV CKT 1	Indeterminate	0	07AP	4/1/2007	4/1/2007	Indeterminate
EES	KINDER MORGAN PIPE - PLANTATION 138KV CKT 1	Indeterminate	0	11SP	6/1/2007	6/1/2007	Indeterminate
MEC	CLRNDA to MARYVILLE 161kV Ckt 1 MEC	Rebuild 12.6 miles with 954 ACSR Conductor and Replace Terminal Equipment to Increase MEC to SPP Contract Path Capacity by 68 MW	0	06WP	1/1/2007	1/1/2009	$ 4,280,000

Construction Pending Projects

Transmission Owner	Upgrade	Solution	Minimum ATC per Upgrade (MW)	Season of Minimum Allocated ATC	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion
ENTR	Entergy Project (Reduce Load MVAR)	Entergy Project (Reduce Load MVAR)	0	16SP	6/1/2016	6/1/2016

Table 6 - 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-292107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	0.6	7.0
1087745	6.4	7.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'COMANCHE 138KV'	160	0.01244	-0.10002	70
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'COMANCHE 69KV'	63	0.01239	-0.09997	70
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.01212	-0.0997	70
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'WEATHERFORD 34KV'	148	0.01152	-0.0991	70
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'WELSH 345KV'	990	0.01228	-0.09986	70
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'COGENTRIX 345KV'	665	0.00882	-0.0964	72
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'RIVERSIDE STATION 138KV'	646	0.00877	-0.09635	72
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'WELEETKA 138KV'	70	0.00961	-0.09719	72
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00807	-0.09565	73
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00807	-0.09565	73
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00807	-0.09565	73
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'OEC 345KV'	206	0.00854	-0.09612	73
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'TULSA POWER STATION 138KV'	112	0.0087	-0.09628	73
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'TULSA POWER STATION 138KV'	147	0.0087	-0.09628	73
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'FLINT CREEK 161KV'	420	0.00713	-0.09471	74
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'FITZHUGH 161KV'	126	0.00382	-0.0914	76
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'LEBROCK 345KV'	365	-0.00885	-0.07873	89
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'PIRKEY GENERATION 138KV'	475	-0.01311	-0.07447	94
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'COMANCHE 138KV'	160	0.01244	-0.07321	95
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'COMANCHE 69KV'	63	0.01239	-0.07316	95
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.01212	-0.07289	96
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'WELSH 345KV'	990	0.01228	-0.07305	96
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'EASTMAN 138KV'	155	-0.01562	-0.07196	97
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'KNOXLEE 138KV'	247.5259	-0.01564	-0.07194	97
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'WEATHERFORD 34KV'	148	0.01152	-0.07229	97
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'WILKES 345KV'	311	-0.01738	-0.0702	99
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'WELEETKA 138KV'	70	0.00961	-0.07038	99
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'COGENTRIX 345KV'	665	0.00882	-0.06959	100
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'RIVERSIDE STATION 138KV'	646	0.00877	-0.06954	100
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00807	-0.06884	101
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00807	-0.06884	101
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00807	-0.06884	101
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'OEC 345KV'	206	0.00854	-0.06931	101
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'TULSA POWER STATION 138KV'	147	0.0087	-0.06947	101
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'TULSA POWER STATION 138KV'	112	0.0087	-0.06947	101
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'FLINT CREEK 161KV'	420	0.00713	-0.0679	103
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'FITZHUGH 161KV'	126	0.00382	-0.06459	108
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08758	AEPW	'LIEBERMAN 138KV'	91	-0.02651	-0.06107	114
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'LEBROCK 345KV'	365	-0.00885	-0.05192	134
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'PIRKEY GENERATION 138KV'	475	-0.01311	-0.04766	147
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'EASTMAN 138KV'	155	-0.01562	-0.04515	155
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'KNOXLEE 138KV'	247.5259	-0.01564	-0.04513	155
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'WILKES 345KV'	311	-0.01738	-0.04339	161
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'COMANCHE 138KV'	160	0.01244	-0.03895	179
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'COMANCHE 69KV'	63	0.01239	-0.0389	179
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'WELSH 345KV'	990	0.01228	-0.03879	180
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.01212	-0.03863	181
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'WEATHERFORD 34KV'	148	0.01152	-0.03803	184
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'WELEETKA 138KV'	70	0.00961	-0.03612	193
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'COGENTRIX 345KV'	665	0.00882	-0.03533	198
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'RIVERSIDE STATION 138KV'	646	0.00877	-0.03528	198
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'TULSA POWER STATION 138KV'	147	0.0087	-0.03521	198
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'TULSA POWER STATION 138KV'	112	0.0087	-0.03521	198
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'OEC 345KV'	206	0.00854	-0.03505	199
AEPW	'ARSENAL HILL 69KV'	75	-0.02242	AEPW	'COMANCHE 138KV'	160	0.01244	-0.03486	200
AEPW	'ARSENAL HILL 69KV'	75	-0.02242	AEPW	'WELSH 345KV'	990	0.01228	-0.0347	201
AEPW	'ARSENAL HILL 69KV'	75	-0.02242	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.01212	-0.03454	202
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00807	-0.03458	202
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00807	-0.03458	202
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00807	-0.03458	202
AEPW	'WILKES 138KV'	97.62759	-0.06077	AEPW	'LIEBERMAN 138KV'	91	-0.02651	-0.03426	204
AEPW	'ARSENAL HILL 69KV'	75	-0.02242	AEPW	'WEATHERFORD 34KV'	148	0.01152	-0.03394	206
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'FLINT CREEK 161KV'	420	0.00713	-0.03364	208
AEPW	'ARSENAL HILL 69KV'	75	-0.02242	AEPW	'COGENTRIX 345KV'	665	0.00882	-0.03124	224
AEPW	'ARSENAL HILL 69KV'	75	-0.02242	AEPW	'RIVERSIDE STATION 138KV'	646	0.00877	-0.03119	224
AEPW	'ARSENAL HILL 69KV'	75	-0.02242	AEPW	'TULSA POWER STATION 138KV'	112	0.0087	-0.03112	224
AEPW	'ARSENAL HILL 69KV'	75	-0.02242	AEPW	'TULSA POWER STATION 138KV'	147	0.0087	-0.03112	224
AEPW	'LIEBERMAN 138KV'	137	-0.02651	AEPW	'FITZHUGH 161KV'	126	0.00382	-0.03033	230

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

Upgrade: ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1
Limiting Facility: ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: SPP-WERE-46
Flowgate: 57321573281SPP-WERE-462207SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.8	4.6
1090609	0.3	4.6
1090609	0.2	4.6
1090609	0.6	4.6
1090674	0.1	4.6
1090817	0.9	4.6
1090964	1.3	4.6
1090965	0.4	4.6

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

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0144	-0.54434	8
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CHANUTE 69KV'	46.617	0.00108	-0.53102	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00086	-0.5308	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00193	-0.53187	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CITY OF ERIE 69KV'	22.264	0.00108	-0.53102	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00093	-0.53087	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CITY OF IOLA 69KV'	19.865	0.00119	-0.53113	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CITY OF MULVANE 69KV'	6.189	0.00035	-0.53029	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00011	-0.52983	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00193	-0.53187	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00084	-0.53078	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00059	-0.52935	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'HOLTON 115KV'	12.2	0.00576	-0.5357	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00979	-0.53973	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00084	-0.53078	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00887	-0.53881	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00952	-0.53946	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'SOUTH SENECA 115KV'	8.5	0.00463	-0.53457	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'WACO 138KV'	17.947	-0.00045	-0.52949	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.08161	-0.44833	10
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CHANUTE 69KV'	46.617	0.00108	-0.38628	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00086	-0.38606	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00193	-0.38713	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CITY OF ERIE 69KV'	22.264	0.00108	-0.38628	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00093	-0.38613	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CITY OF IOLA 69KV'	19.865	0.00119	-0.38639	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CITY OF MULVANE 69KV'	6.189	0.00035	-0.38555	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00011	-0.38509	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00193	-0.38713	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00084	-0.38604	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00059	-0.38461	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'HOLTON 115KV'	12.2	0.00576	-0.39096	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00979	-0.39499	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00084	-0.38604	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00887	-0.39407	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00952	-0.39472	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'SOUTH SENECA 115KV'	8.5	0.00463	-0.38983	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0144	-0.3996	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'WACO 138KV'	17.947	-0.00045	-0.38475	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.08161	-0.30359	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0144	-0.11283	41
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00979	-0.10822	43
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00887	-0.1073	43
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00952	-0.10795	43
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'CHANUTE 69KV'	46.617	0.00108	-0.09951	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00086	-0.09929	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'CITY OF ERIE 69KV'	22.264	0.00108	-0.09951	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'CITY OF IOLA 69KV'	19.865	0.00119	-0.09962	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00193	-0.10036	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00084	-0.09927	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00084	-0.09927	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00011	-0.09832	47
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00059	-0.09784	47
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'WACO 138KV'	17.947	-0.00045	-0.09798	47
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0144	-0.09601	48
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0144	-0.09598	48
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00979	-0.0914	50
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00979	-0.09137	50
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00887	-0.09048	51
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00952	-0.09113	51
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00887	-0.09045	51
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00952	-0.0911	51
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0144	-0.09045	51
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00979	-0.08584	54
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00887	-0.08492	54
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00952	-0.08557	54
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00193	-0.08354	55
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00193	-0.08351	55
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'CHANUTE 69KV'	46.617	0.00108	-0.08269	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00086	-0.08247	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'CITY OF ERIE 69KV'	22.264	0.00108	-0.08269	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'CITY OF IOLA 69KV'	19.865	0.00119	-0.0828	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00011	-0.0815	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00084	-0.08245	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00084	-0.08245	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'CHANUTE 69KV'	46.617	0.00108	-0.08266	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00086	-0.08244	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'CITY OF ERIE 69KV'	22.264	0.00108	-0.08266	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'CITY OF IOLA 69KV'	19.865	0.00119	-0.08277	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00011	-0.08147	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00084	-0.08242	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00084	-0.08242	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00059	-0.08102	57
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00059	-0.08099	57
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00193	-0.07798	59
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'CHANUTE 69KV'	46.617	0.00108	-0.07713	60
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00086	-0.07691	60
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'CITY OF ERIE 69KV'	22.264	0.00108	-0.07713	60
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00084	-0.07689	60
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00084	-0.07689	60
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00011	-0.07594	61
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00059	-0.07546	61

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

Upgrade:	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1
Limiting Facility:	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1
Direction:	To->From
Line Outage:	WR-DOUBLE12
Flowgate:	57321573281WR-DOUBLE122207SH
Date Redispatch Needed:	6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified:	2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.8	4.6

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

1090609	0.3	4.6
1090609	0.2	4.6
1090609	0.6	4.6
1090674	0.1	4.6
1090817	0.9	4.6
1090964	1.3	4.6
1090965	0.4	4.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0144	-0.54434	8
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CHANUTE 69KV'	46.617	0.00108	-0.53102	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00086	-0.5308	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00193	-0.53187	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CITY OF ERIE 69KV'	22.264	0.00108	-0.53102	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00093	-0.53087	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CITY OF IOLA 69KV'	19.865	0.00119	-0.53113	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CITY OF MULVANE 69KV'	6.189	0.00035	-0.53029	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00011	-0.52983	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00193	-0.53187	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00084	-0.53078	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00059	-0.52935	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'HOLTON 115KV'	12.2	0.00576	-0.5357	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00979	-0.53973	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00084	-0.53078	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00887	-0.53881	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00952	-0.53946	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'SOUTH SENECA 115KV'	8.5	0.00463	-0.53457	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'WACO 138KV'	17.947	-0.00045	-0.52949	9
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.52994	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.08161	-0.44833	10
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CHANUTE 69KV'	46.617	0.00108	-0.38628	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00086	-0.38606	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00193	-0.38713	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CITY OF ERIE 69KV'	22.264	0.00108	-0.38628	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00093	-0.38613	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CITY OF IOLA 69KV'	19.865	0.00119	-0.38639	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CITY OF MULVANE 69KV'	6.189	0.00035	-0.38555	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00011	-0.38509	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00193	-0.38713	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00084	-0.38604	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00059	-0.38461	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'HOLTON 115KV'	12.2	0.00576	-0.39096	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00979	-0.39499	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00084	-0.38604	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00887	-0.39407	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00952	-0.39472	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'SOUTH SENECA 115KV'	8.5	0.00463	-0.38983	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0144	-0.3996	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'WACO 138KV'	17.947	-0.00045	-0.38475	12
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.3852	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.08161	-0.30359	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0144	-0.11283	41
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00979	-0.10822	43
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00887	-0.1073	43
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00952	-0.10795	43
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'CHANUTE 69KV'	46.617	0.00108	-0.09951	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00086	-0.09929	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'CITY OF ERIE 69KV'	22.264	0.00108	-0.09951	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'CITY OF IOLA 69KV'	19.865	0.00119	-0.09962	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00193	-0.10036	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00084	-0.09927	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00084	-0.09927	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00011	-0.09832	47
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00059	-0.09784	47
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.09843	WERE	'WACO 138KV'	17.947	-0.00045	-0.09798	47
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0144	-0.09601	48
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0144	-0.09598	48
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00979	-0.0914	50
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00979	-0.09137	50
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00887	-0.09048	51
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00952	-0.09113	51
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00887	-0.09045	51
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00952	-0.0911	51
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0144	-0.09045	51
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00979	-0.08584	54
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00887	-0.08492	54
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00952	-0.08557	54
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00193	-0.08354	55
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00193	-0.08351	55
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'CHANUTE 69KV'	46.617	0.00108	-0.08269	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00086	-0.08247	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'CITY OF ERIE 69KV'	22.264	0.00108	-0.08269	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'CITY OF IOLA 69KV'	19.865	0.00119	-0.0828	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00011	-0.0815	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00084	-0.08245	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00084	-0.08245	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'CHANUTE 69KV'	46.617	0.00108	-0.08266	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00086	-0.08244	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'CITY OF ERIE 69KV'	22.264	0.00108	-0.08266	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'CITY OF IOLA 69KV'	19.865	0.00119	-0.08277	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00011	-0.08147	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00084	-0.08242	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00084	-0.08242	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.08161	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00059	-0.08102	57
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.08158	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00059	-0.08099	57
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00193	-0.07798	59
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'CHANUTE 69KV'	46.617	0.00108	-0.07713	60
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00086	-0.07691	60
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'CITY OF ERIE 69KV'	22.264	0.00108	-0.07713	60
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00084	-0.07689	60
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00084	-0.07689	60
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00011	-0.07594	61
WERE	'SMOKYHIL 230 230KV'	72	-0.07605	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00059	-0.07546	61

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 6 - 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: 57542575481575435754713307SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090609	5.2	7.9
1090609	0.8	7.9
1090609	0.3	7.9
1090609	1.0	7.9
1090609	0.5	7.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.71062	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'ABILENE ENERGY CENTER 115KV'	6.757809	-0.00218	-0.64974	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'CHANUTE 69KV'	46.617	-0.00233	-0.64959	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'CITY OF BURLINGTON 69KV'	7.8	-0.00407	-0.64785	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'CITY OF ERIE 69KV'	22.264	-0.00233	-0.64959	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'CITY OF FREDONIA 69KV'	5.225	-0.0027	-0.64922	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'CITY OF IOLA 69KV'	19.865	-0.00204	-0.64988	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'CITY OF MULVANE 69KV'	6.189	-0.0035	-0.64842	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	-0.00224	-0.64968	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00407	-0.64785	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'EVANS ENERGY CENTER 138KV'	305	-0.00394	-0.64798	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00265	-0.64927	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'HOLTON 115KV'	12.2	-0.00269	-0.64923	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.00191	-0.65001	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00229	-0.64963	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00228	-0.64964	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00223	-0.64969	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.5762	-0.00227	-0.64965	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'SOUTH SENECA 115KV'	8.5	-0.00314	-0.64878	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00232	-0.6496	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'WACO 138KV'	17.947	-0.00278	-0.64914	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.65192	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.05262	-0.5993	13
WERE	'GETTY 69KV'	35	-0.01732	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.07602	104

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

Upgrade: 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: 57542575481575435754713307SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	1.5	13.8
1090609	0.7	13.8
1090609	1.7	13.8
1090609	0.8	13.8
1090609	9.0	13.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.71062	19
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00218	-0.64974	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.00198	-0.64994	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CHANUTE 69KV'	56.723	-0.00233	-0.64959	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CITY OF BURLINGTON 69KV'	10.12	-0.00407	-0.64785	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CITY OF ERIE 69KV'	22.274	-0.00233	-0.64959	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CITY OF IOLA 69KV'	24.267	-0.00203	-0.64989	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CITY OF MULVANE 69KV'	8.288	-0.0035	-0.64842	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	-0.00224	-0.64968	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.00407	-0.64785	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'EVANS ENERGY CENTER 138KV'	394.978	-0.00394	-0.64798	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00265	-0.64927	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'HOLTON 115KV'	12.2	-0.00269	-0.64923	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.00191	-0.65001	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00229	-0.64963	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00228	-0.64964	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.00223	-0.64969	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'LAWRENCE ENERGY CENTER 230KV'	234.5685	-0.00227	-0.64965	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'SOUTH SENECA 115KV'	8.5	-0.00314	-0.64878	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00232	-0.6496	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'WACO 138KV'	17.96	-0.00278	-0.64914	21
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CITY OF AUGUSTA 69KV'	25.12	-0.05262	-0.5993	23

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

Upgrade: BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1
Limiting Facility: BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1
Direction: From->To
Line Outage: GRD OAK - PLEASANT HILL 345KV CKT 1
Flowgate: 59340592591591985920011308SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1089950	1.1	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.04476	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.44312	2
MIPU	'GREENWOOD 161KV'	193.0817	-0.04777	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.44613	2
MIPU	'LAKE ROAD 161KV'	91	-0.01621	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.41457	3
MIPU	'NEVADA 69KV'	20.3	-0.01018	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.40854	3
MIPU	'RALPH GREEN 69KV'	73.7	0.07409	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.32427	3

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

MIPU	'SIBLEY 161KV'	18.38968	-0.0334	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.43176	3
MIPU	'SIBLEY 69KV'	1.200012	-0.0327	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.43106	3
MIPU	'TWA 161KV'	32.1	-0.0244	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.42276	3
KACP	'NORTHEAST 13KV'	56	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'NORTHEAST 13KV'	56	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'NORTHEAST 13KV'	58	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'NORTHEAST 13KV'	59	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'NORTHEAST 161KV'	55	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'NORTHEAST 161KV'	58	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'NORTHEAST 161KV'	58	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'NORTHEAST 161KV'	58	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'GRAND AVENUE 161KV'	65	-0.02874	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.06974	16
KACP	'MONTROSE 161KV'	24.39473	-0.02035	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.06135	18
KACP	'MARSHALL 161KV'	54.1	-0.01561	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.05661	19
KACP	'GARDNER 161KV'	11	-0.0068	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.0478	23
KACP	'BULL CREEK 161KV'	124.343	-0.00436	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.04536	24
MIPU	'GREENWOOD 161KV'	193.0817	-0.04777	MIPU	'LAKE ROAD 161KV'	35	-0.01621	-0.03156	34
MIPU	'GREENWOOD 161KV'	193.0817	-0.04777	MIPU	'LAKE ROAD 34KV'	92	-0.01621	-0.03156	34

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

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

Reservation	Relief Amount	Aggregate Relief Amount
1079577	0.8	4.5
1086238	0.4	4.5
1089945	1.7	4.5
1089952	1.3	4.5
1090609	0.2	4.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	40.14902	0.0146	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.55337	8
SWPA	'BULL SHOALS 161KV'	96.02807	0.00807	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.5599	8
SWPA	'CARTHAGE 69KV'	20	0.01477	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.5532	8
SWPA	'CLARENCE CANNON DAM 69KV'	58	0.00785	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56012	8
SWPA	'DARDANELLE 161KV'	44.56081	0.00557	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.5624	8
SWPA	'EUFAULA 138KV'	16.68303	0.03385	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.53412	8
SWPA	'EUFAULA 161KV'	8.341516	0.03381	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.53416	8
SWPA	'FORT GIBSON 161KV'	13.83629	0.022	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.54597	8
SWPA	'GREERS FERRY 161KV'	30.51932	0.00243	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56554	8
SWPA	'INDEPENDENCE 161KV'	13	0.00231	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56566	8
SWPA	'JONESBORO 161KV'	2.799999	0.00195	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56602	8
SWPA	'KENNETT 69KV'	29	0.00238	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56559	8
SWPA	'KEYSTONE DAM 161KV'	19.52976	0.02239	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.54558	8
SWPA	'MALDEN 69KV'	15	0.00255	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56542	8
SWPA	'NORFORK 161KV'	23.60118	0.00625	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56172	8
SWPA	'OZARK 161KV'	48.63363	0.01221	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.55576	8
SWPA	'PARAGOULD 69KV'	17.5	0.00213	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56584	8
SWPA	'PIGGOTT 69KV'	7.5	0.00244	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56553	8
SWPA	'POPLAR BLUFF 69KV'	13	0.0035	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56447	8
SWPA	'ROBERT S. KERR 161KV'	34.99723	0.02027	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.5477	8
SWPA	'STOCKTON 161KV'	14.44538	0.01249	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.55548	8
SWPA	'TABLE ROCK 161KV'	61.03864	0.01191	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.55606	8
SWPA	'TENKILLER FERRY 161KV'	11.59864	0.02636	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.54161	8
SWPA	'TRUMAN 161KV'	93.36607	0.01066	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.55731	8
SWPA	'WEBBERS FALLS 161KV'	35.81681	0.02636	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.54161	8
SWPA	'DENISON 138KV'	19.52976	0.05631	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.51166	9
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'COMANCHE 69KV'	63	0.02584	-0.15899	28
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.16038	28
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'COGENTRIX 345KV'	665	0.02134	-0.15449	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'COMANCHE 138KV'	160	0.02456	-0.15771	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02003	-0.15318	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'NORTHEASTERN STATION 138KV'	207	0.02003	-0.15318	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01959	-0.15274	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'OEC 345KV'	206	0.02036	-0.15351	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'RIVERSIDE STATION 138KV'	235	0.02283	-0.15598	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'WEATHERFORD 34KV'	148	0.02445	-0.1576	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'FLINT CREEK 161KV'	400	0.01738	-0.15053	30
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'L&D13 69KV'	11	0.01523	-0.14838	30
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'FITZHUGH 161KV'	31	0.01223	-0.14538	31
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'LIEBERMAN 138KV'	48.94702	-0.02612	-0.10703	42
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'EASTMAN 138KV'	155	-0.02795	-0.1052	43
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'KNOXLEE 138KV'	103	-0.02772	-0.10543	43
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'LEBROCK 345KV'	365	-0.0275	-0.10565	43
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'PIRKEY GENERATION 138KV'	450	-0.02767	-0.10548	43
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'WILKES 345KV'	191	-0.02861	-0.10454	43
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'WELSH 345KV'	975.0001	-0.02975	-0.1034	44
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'WILKES 138KV'	119.4252	-0.03189	-0.10126	44
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.08919	50
WFEC	'MORLND 138KV'	133.0715	0.02302	WFEC	'HUGO 138KV'	450	0.11223	-0.08921	50
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'COMANCHE 69KV'	63	0.02584	-0.0878	51
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'COMANCHE 138KV'	160	0.02456	-0.08652	52
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'WEATHERFORD 34KV'	148	0.02445	-0.08641	52
WFEC	'ANADARKO 138KV'	90	0.02784	WFEC	'HUGO 138KV'	450	0.11223	-0.08439	53
WFEC	'ANADARKO 69KV'	76	0.0277	WFEC	'HUGO 138KV'	450	0.11223	-0.08453	53
WFEC	'BLUCAN14 138 138KV'	151.2	0.02727	WFEC	'HUGO 138KV'	450	0.11223	-0.08496	53
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'RIVERSIDE STATION 138KV'	235	0.02283	-0.08479	53
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'COGENTRIX 345KV'	665	0.02134	-0.0833	54
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02003	-0.08199	55
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'NORTHEASTERN STATION 138KV'	207	0.02003	-0.08199	55
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01959	-0.08155	55
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'OEC 345KV'	206	0.02036	-0.08232	55
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'FLINT CREEK 161KV'	400	0.01738	-0.07934	57
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'FITZHUGH 161KV'	31	0.01223	-0.07419	61
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03256	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05979	75
AEPW	'WILKES 138KV'	343.5748	-0.03189	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05912	76
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03256	AEPW	'COMANCHE 69KV'	63	0.02584	-0.0584	77
AEPW	'WILKES 138KV'	343.5748	-0.03189	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05773	78

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03256	AEPW	'COMANCHE 138KV'	160	0.02456	-0.05712	79
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03256	AEPW	'WEATHERFORD 34KV'	148	0.02445	-0.05701	79
AEPW	'WELSH 345KV'	68.99991	-0.02975	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05698	79
AEPW	'WILKES 138KV'	343.5748	-0.03189	AEPW	'COMANCHE 138KV'	160	0.02456	-0.05645	80
AEPW	'WILKES 138KV'	343.5748	-0.03189	AEPW	'WEATHERFORD 34KV'	148	0.02445	-0.05634	80
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03256	AEPW	'RIVERSIDE STATION 138KV'	235	0.02283	-0.05539	81
AEPW	'WELSH 345KV'	68.99991	-0.02975	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05559	81
AEPW	'WILKES 345KV'	120	-0.02861	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05584	81
AEPW	'EASTMAN 138KV'	330.01	-0.02795	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05518	82
AEPW	'KNOXLEE 138KV'	260	-0.02772	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05495	82
AEPW	'KNOXLEE 138KV'	60	-0.02772	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05495	82
AEPW	'LEBROCK 345KV'	332	-0.0275	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05473	82
AEPW	'PIRKEY GENERATION 138KV'	65	-0.02767	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.0549	82
AEPW	'WILKES 138KV'	343.5748	-0.03189	AEPW	'RIVERSIDE STATION 138KV'	235	0.02283	-0.05472	82
AEPW	'WELSH 345KV'	68.99991	-0.02975	AEPW	'COMANCHE 138KV'	160	0.02456	-0.05431	83
AEPW	'WELSH 345KV'	68.99991	-0.02975	AEPW	'WEATHERFORD 34KV'	148	0.02445	-0.0542	83
AEPW	'WILKES 345KV'	120	-0.02861	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05445	83
AEPW	'EASTMAN 138KV'	330.01	-0.02795	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05379	84
SWPA	'GREERS FERRY 161KV'	30.51932	0.00243	SWPA	'DENISON 138KV'	50.47024	0.05631	-0.05388	84
SWPA	'KENNETT 69KV'	29	0.00238	SWPA	'DENISON 138KV'	50.47024	0.05631	-0.05393	84
AEPW	'KNOXLEE 138KV'	260	-0.02772	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05356	84
AEPW	'KNOXLEE 138KV'	60	-0.02772	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05356	84
AEPW	'LEBROCK 345KV'	332	-0.0275	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05334	84
AEPW	'LIEBERMAN 138KV'	179.053	-0.02612	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05335	84
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03256	AEPW	'COGENTRIX 345KV'	665	0.02134	-0.0539	84
AEPW	'PIRKEY GENERATION 138KV'	65	-0.02767	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05351	84
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.0262	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05343	84
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03256	AEPW	'OEC 345KV'	206	0.02036	-0.05292	85
AEPW	'WILKES 138KV'	343.5748	-0.03189	AEPW	'COGENTRIX 345KV'	665	0.02134	-0.05323	85
AEPW	'WILKES 345KV'	120	-0.02861	AEPW	'COMANCHE 138KV'	160	0.02456	-0.05317	85
AEPW	'WILKES 345KV'	120	-0.02861	AEPW	'WEATHERFORD 34KV'	148	0.02445	-0.05306	85
AEPW	'ARSENAL HILL 69KV'	99	-0.02535	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05258	86
AEPW	'EASTMAN 138KV'	330.01	-0.02795	AEPW	'COMANCHE 138KV'	160	0.02456	-0.05251	86

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

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 52814540151540155600412106FA
Date Redispatch Needed: 10/1/06 - 12/1/06
Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.3	0.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	12.35929	0.01471	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.55336	1
SWPA	'BULL SHOALS 161KV'	194.8001	0.00814	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.55993	1
SWPA	'CARTHAGE 69KV'	32	0.0149	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.55317	1
SWPA	'CLARENCE CANNON DAM 69KV'	58	0.00786	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56021	1
SWPA	'DARDANELLE 161KV'	55.80006	0.00561	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56246	1
SWPA	'DENISON 138KV'	3.400024	0.05643	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.51164	1
SWPA	'EUFAULA 138KV'	2.800026	0.03405	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.53402	1
SWPA	'EUFAULA 161KV'	1.400013	0.03401	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.53406	1
SWPA	'FORT GIBSON 161KV'	14.00001	0.02213	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.54594	1
SWPA	'GREERS FERRY 161KV'	5.20005	0.00247	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.5656	1
SWPA	'INDEPENDENCE 161KV'	13	0.00235	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56572	1
SWPA	'JONESBORO 161KV'	76	0.00198	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56609	1
SWPA	'KENNETT 69KV'	29	0.0024	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56567	1
SWPA	'KEYSTONE DAM 161KV'	35.00001	0.02277	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.5453	1
SWPA	'MALDEN 69KV'	15.4	0.00257	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.5655	1
SWPA	'NORFORK 161KV'	65.00001	0.00632	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56175	1
SWPA	'OZARK 161KV'	51.00003	0.01219	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.55588	1
SWPA	'PARAGOULD 69KV'	17.5	0.00215	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56592	1
SWPA	'PIGGOTT 69KV'	7.5	0.00246	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56561	1
SWPA	'POPLAR BLUFF 69KV'	13	0.00348	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56459	1
SWPA	'ROBERT S. KERR 161KV'	31.20005	0.02035	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.54772	1
SWPA	'STOCKTON 161KV'	2.500019	0.01261	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.55546	1
SWPA	'TABLE ROCK 161KV'	60.00008	0.01203	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.55604	1
SWPA	'TENKILLER FERRY 161KV'	26.00001	0.02652	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.54155	1
SWPA	'TRUMAN 161KV'	37.00006	0.0108	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.55727	1
SWPA	'WEBBERS FALLS 161KV'	38.20001	0.02652	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.54155	1
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'COGENTRIX 345KV'	665	0.02078	-0.15389	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'COMANCHE 138KV'	160	0.02463	-0.15774	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'COMANCHE 69KV'	63	0.02591	-0.15902	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'FITZHUGH 161KV'	61	0.0122	-0.14531	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'FLINT CREEK 161KV'	400	0.01749	-0.1506	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'L&D13 69KV'	11	0.01526	-0.14837	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'NORTHEASTERN STATION 138KV'	240	0.02027	-0.15338	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02027	-0.15338	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'NORTHEASTERN STATION 345KV'	550	0.01967	-0.15278	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'OEC 345KV'	256	0.02031	-0.15342	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'RIVERSIDE STATION 138KV'	245	0.02397	-0.15708	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.16043	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'WEATHERFORD 34KV'	148	0.02453	-0.15764	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'EASTMAN 138KV'	155	-0.02785	-0.10526	3
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'KNOXLEE 138KV'	15.88934	-0.02761	-0.1055	3
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'LEBROCK 345KV'	365	-0.02744	-0.10567	3
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'LIEBERMAN 138KV'	4	-0.0261	-0.10701	3
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02761	-0.1055	3
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'WELSH 345KV'	990	-0.02972	-0.10339	3
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'WILKES 138KV'	7	-0.03193	-0.10118	3
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'WILKES 345KV'	74.26818	-0.0286	-0.10451	3
WFEC	'ANADARKO 138KV'	269.9937	0.02793	WFEC	'HUGO 138KV'	370.8604	0.11232	-0.08439	4
WFEC	'ANADARKO 138KV'	90	0.02793	WFEC	'HUGO 138KV'	370.8604	0.11232	-0.08439	4
WFEC	'ANADARKO 69KV'	76	0.02779	WFEC	'HUGO 138KV'	370.8604	0.11232	-0.08453	4
WFEC	'BLUCAN14 138 138KV'	151.2	0.02735	WFEC	'HUGO 138KV'	370.8604	0.11232	-0.08497	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'COGENTRIX 345KV'	665	0.02078	-0.08272	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'COMANCHE 138KV'	160	0.02463	-0.08657	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'COMANCHE 69KV'	63	0.02591	-0.08785	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'FITZHUGH 161KV'	61	0.0122	-0.07414	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'FLINT CREEK 161KV'	400	0.01749	-0.07943	4

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'L&D13 69KV'	11	0.01526	-0.0772	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02027	-0.08221	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'NORTHEASTERN STATION 138KV'	240	0.02027	-0.08221	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'NORTHEASTERN STATION 345KV'	550	0.01967	-0.08161	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'OEC 345KV'	256	0.02031	-0.08225	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'RIVERSIDE STATION 138KV'	245	0.02397	-0.08591	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.08926	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'WEATHERFORD 34KV'	148	0.02453	-0.08647	4
WFEC	'MORLND 138KV'	320	0.02308	WFEC	'HUGO 138KV'	370.8604	0.11232	-0.08924	4
AEPW	'ARSENAL HILL 69KV'	99	-0.02533	AEPW	'COMANCHE 69KV'	63	0.02591	-0.05124	6
AEPW	'ARSENAL HILL 69KV'	99	-0.02533	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.05265	6
AEPW	'EASTMAN 138KV'	330.01	-0.02785	AEPW	'COMANCHE 138KV'	160	0.02463	-0.05248	6
AEPW	'EASTMAN 138KV'	330.01	-0.02785	AEPW	'COMANCHE 69KV'	63	0.02591	-0.05376	6
AEPW	'EASTMAN 138KV'	330.01	-0.02785	AEPW	'RIVERSIDE STATION 138KV'	245	0.02397	-0.05182	6
AEPW	'EASTMAN 138KV'	330.01	-0.02785	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.05517	6
AEPW	'EASTMAN 138KV'	330.01	-0.02785	AEPW	'WEATHERFORD 34KV'	148	0.02453	-0.05238	6
SWPA	'GREERS FERRY 161KV'	5.20005	0.00247	SWPA	'DENISON 138KV'	66.59998	0.05643	-0.05396	6
SWPA	'INDEPENDENCE 161KV'	13	0.00235	SWPA	'DENISON 138KV'	66.59998	0.05643	-0.05408	6
SWPA	'JONESBORO 161KV'	76	0.00198	SWPA	'DENISON 138KV'	66.59998	0.05643	-0.05445	6
SWPA	'KENNETT 69KV'	29	0.0024	SWPA	'DENISON 138KV'	66.59998	0.05643	-0.05403	6
AEPW	'KNOXLEE 138KV'	347.1107	-0.02761	AEPW	'COMANCHE 138KV'	160	0.02463	-0.05224	6
AEPW	'KNOXLEE 138KV'	60	-0.02761	AEPW	'COMANCHE 138KV'	160	0.02463	-0.05224	6
AEPW	'KNOXLEE 138KV'	347.1107	-0.02761	AEPW	'COMANCHE 69KV'	63	0.02591	-0.05352	6
AEPW	'KNOXLEE 138KV'	60	-0.02761	AEPW	'COMANCHE 69KV'	63	0.02591	-0.05352	6
AEPW	'KNOXLEE 138KV'	347.1107	-0.02761	AEPW	'RIVERSIDE STATION 138KV'	245	0.02397	-0.05158	6
AEPW	'KNOXLEE 138KV'	60	-0.02761	AEPW	'RIVERSIDE STATION 138KV'	245	0.02397	-0.05158	6
AEPW	'KNOXLEE 138KV'	347.1107	-0.02761	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.05493	6
AEPW	'KNOXLEE 138KV'	60	-0.02761	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.05493	6
AEPW	'KNOXLEE 138KV'	347.1107	-0.02761	AEPW	'WEATHERFORD 34KV'	148	0.02453	-0.05214	6
AEPW	'KNOXLEE 138KV'	60	-0.02761	AEPW	'WEATHERFORD 34KV'	148	0.02453	-0.05214	6
AEPW	'LEBROCK 345KV'	332	-0.02744	AEPW	'COMANCHE 138KV'	160	0.02463	-0.05207	6
AEPW	'LEBROCK 345KV'	332	-0.02744	AEPW	'COMANCHE 69KV'	63	0.02591	-0.05335	6
AEPW	'LEBROCK 345KV'	332	-0.02744	AEPW	'RIVERSIDE STATION 138KV'	245	0.02397	-0.05141	6
AEPW	'LEBROCK 345KV'	332	-0.02744	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.05476	6
AEPW	'LEBROCK 345KV'	332	-0.02744	AEPW	'WEATHERFORD 34KV'	148	0.02453	-0.05197	6
AEPW	'LIEBERMAN 138KV'	224	-0.0261	AEPW	'COMANCHE 69KV'	63	0.02591	-0.05201	6
AEPW	'LIEBERMAN 138KV'	224	-0.0261	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.05342	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'COGENTRIX 345KV'	665	0.02078	-0.05345	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'COMANCHE 138KV'	160	0.02463	-0.0573	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'COMANCHE 69KV'	63	0.02591	-0.05858	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02027	-0.05294	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'NORTHEASTERN STATION 138KV'	240	0.02027	-0.05294	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'NORTHEASTERN STATION 345KV'	550	0.01967	-0.05234	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'OEC 345KV'	256	0.02031	-0.05298	6

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

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 52814540151540155600412107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1079577	0.1	0.5
1086238	0.1	0.5
1089952	0.2	0.5
1090609	0.1	0.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	23.0457	0.01448	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.55337	1
SWPA	'BULL SHOALS 161KV'	51.81354	0.00795	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.5599	1
SWPA	'CARTHAGE 69KV'	1.999998	0.01468	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.55317	1
SWPA	'CLARENCE CANNON DAM 69KV'	8.768707	0.00781	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56004	1
SWPA	'DARDANELLE 161KV'	55.73309	0.0054	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56245	1
SWPA	'DENISON 138KV'	10.56222	0.0562	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.51165	1
SWPA	'EUFAULA 138KV'	8.967567	0.03373	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.53412	1
SWPA	'EUFAULA 161KV'	4.483784	0.03369	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.53416	1
SWPA	'FORT GIBSON 161KV'	7.573032	0.02189	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.54596	1
SWPA	'GREERS FERRY 161KV'	16.5406	0.00227	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56558	1
SWPA	'INDEPENDENCE 161KV'	13	0.00217	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56568	1
SWPA	'KENNETT 69KV'	21.8	0.00229	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56556	1
SWPA	'KEYSTONE DAM 161KV'	10.56222	0.02229	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.54556	1
SWPA	'MALDEN 69KV'	10	0.00248	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56537	1
SWPA	'NORFORK 161KV'	64.98728	0.00614	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56171	1
SWPA	'OZARK 161KV'	36.9504	0.01205	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.5558	1
SWPA	'PARAGOULD 69KV'	12	0.00203	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56582	1
SWPA	'PIGGOTT 69KV'	7.5	0.00236	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56549	1
SWPA	'POPLAR BLUFF 69KV'	7	0.00342	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56443	1
SWPA	'ROBERT S. KERR 161KV'	19.13182	0.02012	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.54773	1
SWPA	'STOCKTON 161KV'	7.871956	0.01241	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.55544	1
SWPA	'TABLE ROCK 161KV'	33.08119	0.01181	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.55604	1
SWPA	'TENKILLER FERRY 161KV'	25.98982	0.02623	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.54162	1
SWPA	'TRUMAN 161KV'	77.93513	0.0106	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.55725	1
SWPA	'WEBBERS FALLS 161KV'	29.9752	0.02623	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.54162	1
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'COMANCHE 138KV'	160	0.02446	-0.15774	3
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'COMANCHE 69KV'	63	0.02574	-0.15902	3
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'RIVERSIDE STATION 138KV'	646	0.02273	-0.15601	3
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.16041	3
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'WEATHERFORD 34KV'	148	0.02435	-0.15763	3
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'WELEETKA 138KV'	70	0.05322	-0.1865	3
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'COGENTRIX 345KV'	665	0.02123	-0.15451	4
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'FITZHUGH 161KV'	126	0.01207	-0.14535	4
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'FLINT CREEK 161KV'	420	0.01727	-0.15055	4
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'L&D13 69KV'	11	0.01508	-0.14836	4
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01993	-0.15321	4
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01993	-0.15321	4
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'NORTHEASTERN STATION 345KV'	645	0.0195	-0.15278	4
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'OEC 345KV'	206	0.02026	-0.15354	4
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'TULSA POWER STATION 138KV'	112	0.02212	-0.1554	4
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'TULSA POWER STATION 138KV'	147	0.02212	-0.1554	4
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'WELEETKA 138KV'	70	0.05322	-0.11532	5

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'ARSENAL HILL 69KV'	15	-0.02548	-0.1078	5
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'EASTMAN 138KV'	155	-0.02808	-0.1052	5
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'KNOXLEE 138KV'	247.5259	-0.02784	-0.10544	5
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'LEBROCK 345KV'	365	-0.02762	-0.10566	5
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'LIEBERMAN 138KV'	91	-0.02624	-0.10704	5
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'PIRKEY GENERATION 138KV'	475	-0.02779	-0.10549	5
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'WELSH 345KV'	990	-0.02987	-0.10341	5
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'WILKES 138KV'	365.3724	-0.03201	-0.10127	5
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'WILKES 345KV'	311	-0.02873	-0.10455	5
WFEC	'ANADARKO 138KV'	5.542664	0.02774	WFEC	'HUGO 138KV'	450	0.11212	-0.08438	6
WFEC	'ANADARKO 138KV'	90	0.02774	WFEC	'HUGO 138KV'	450	0.11212	-0.08438	6
WFEC	'ANADARKO 69KV'	76	0.0276	WFEC	'HUGO 138KV'	450	0.11212	-0.08452	6
WFEC	'BLUCAN14 138 138KV'	151.2	0.02717	WFEC	'HUGO 138KV'	450	0.11212	-0.08495	6
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COMANCHE 138KV'	160	0.02446	-0.08656	6
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COMANCHE 69KV'	63	0.02574	-0.08784	6
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'RIVERSIDE STATION 138KV'	646	0.02273	-0.08483	6
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.08923	6
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'TULSA POWER STATION 138KV'	112	0.02212	-0.08422	6
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'TULSA POWER STATION 138KV'	147	0.02212	-0.08422	6
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'WEATHERFORD 34KV'	148	0.02435	-0.08645	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'WELEETKA 138KV'	70	0.05322	-0.0859	6
WFEC	'MORLND 138KV'	25.26624	0.02292	WFEC	'HUGO 138KV'	450	0.11212	-0.0892	6
AEPW	'WILKES 138KV'	97.62759	-0.03201	AEPW	'WELEETKA 138KV'	70	0.05322	-0.08523	6
AEPW	'ARSENAL HILL 69KV'	75	-0.02548	AEPW	'WELEETKA 138KV'	70	0.05322	-0.0787	7
AEPW	'EASTMAN 138KV'	330.01	-0.02808	AEPW	'WELEETKA 138KV'	70	0.05322	-0.0813	7
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COGENTRIX 345KV'	665	0.02123	-0.08333	7
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'FITZHUGH 161KV'	126	0.01207	-0.07417	7
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'FLINT CREEK 161KV'	420	0.01727	-0.07937	7
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'L&D13 69KV'	11	0.01508	-0.07718	7
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01993	-0.08203	7
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01993	-0.08203	7
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 345KV'	645	0.0195	-0.0816	7
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'OEC 345KV'	206	0.02026	-0.08236	7
AEPW	'KNOXLEE 138KV'	115.4741	-0.02784	AEPW	'WELEETKA 138KV'	70	0.05322	-0.08106	7
AEPW	'KNOXLEE 138KV'	60	-0.02784	AEPW	'WELEETKA 138KV'	70	0.05322	-0.08106	7
AEPW	'LEBROCK 345KV'	332	-0.02762	AEPW	'WELEETKA 138KV'	70	0.05322	-0.08084	7
AEPW	'LIEBERMAN 138KV'	137	-0.02624	AEPW	'WELEETKA 138KV'	70	0.05322	-0.07946	7
AEPW	'NORTH MARSHALL 69KV'	5	-0.02811	AEPW	'WELEETKA 138KV'	70	0.05322	-0.08133	7
AEPW	'PIRKEY GENERATION 138KV'	40	-0.02779	AEPW	'WELEETKA 138KV'	70	0.05322	-0.08101	7
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.02632	AEPW	'WELEETKA 138KV'	70	0.05322	-0.07954	7
AEPW	'WELSH 345KV'	54	-0.02987	AEPW	'WELEETKA 138KV'	70	0.05322	-0.08309	7
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05842	9
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05981	9
AEPW	'WILKES 138KV'	97.62759	-0.03201	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05775	9
AEPW	'WILKES 138KV'	97.62759	-0.03201	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05914	9
AEPW	'ARSENAL HILL 69KV'	75	-0.02548	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05261	10
AEPW	'EASTMAN 138KV'	330.01	-0.02808	AEPW	'COMANCHE 138KV'	160	0.02446	-0.05254	10
AEPW	'EASTMAN 138KV'	330.01	-0.02808	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05382	10
AEPW	'EASTMAN 138KV'	330.01	-0.02808	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05521	10
AEPW	'EASTMAN 138KV'	330.01	-0.02808	AEPW	'WEATHERFORD 34KV'	148	0.02435	-0.05243	10
SWPA	'GREERS FERRY 161KV'	16.5406	0.00227	SWPA	'DENISON 138KV'	59.43778	0.0562	-0.05393	10
SWPA	'INDEPENDENCE 161KV'	13	0.00217	SWPA	'DENISON 138KV'	59.43778	0.0562	-0.05403	10
SWPA	'KENNETT 69KV'	21.8	0.00229	SWPA	'DENISON 138KV'	59.43778	0.0562	-0.05391	10
AEPW	'KNOXLEE 138KV'	115.4741	-0.02784	AEPW	'COMANCHE 138KV'	160	0.02446	-0.0523	10
AEPW	'KNOXLEE 138KV'	60	-0.02784	AEPW	'COMANCHE 138KV'	160	0.02446	-0.0523	10
AEPW	'KNOXLEE 138KV'	115.4741	-0.02784	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05358	10
AEPW	'KNOXLEE 138KV'	60	-0.02784	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05358	10
AEPW	'KNOXLEE 138KV'	115.4741	-0.02784	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05497	10

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

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 528145401515401556004131O6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1079577	0.8	1.0
1090609	0.2	1.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	40.55142	0.01453	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.55338	2
SWPA	'BULL SHOALS 161KV'	98.0007	0.00796	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.55995	2
SWPA	'CARTHAGE 69KV'	21	0.01474	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.55317	2
SWPA	'CLARENCE CANNON DAM 69KV'	58	0.00786	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56005	2
SWPA	'DARDANELLE 161KV'	45.80034	0.00537	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56254	2
SWPA	'DENISON 138KV'	19.80014	0.05626	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.51165	2
SWPA	'EUFAULA 138KV'	17.00013	0.03387	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.53404	2
SWPA	'EUFAULA 161KV'	8.500065	0.03384	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.53407	2
SWPA	'FORT GIBSON 161KV'	14.0001	0.02196	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.54595	2
SWPA	'GREERS FERRY 161KV'	31.20022	0.00228	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56563	2
SWPA	'INDEPENDENCE 161KV'	13	0.00217	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56574	2
SWPA	'JONESBORO 161KV'	3.399998	0.00183	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56608	2
SWPA	'KENNETT 69KV'	29	0.00228	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56563	2
SWPA	'KEYSTONE DAM 161KV'	19.80014	0.0226	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.54531	2
SWPA	'MALDEN 69KV'	15	0.00246	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56545	2
SWPA	'NORFORK 161KV'	24.20018	0.00615	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56176	2
SWPA	'OZARK 161KV'	49.00019	0.01204	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.55587	2
SWPA	'PARAGOULD 69KV'	17.5	0.00202	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56589	2
SWPA	'PIGGOTT 69KV'	7.5	0.00234	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56557	2
SWPA	'POPLAR BLUFF 69KV'	13	0.00336	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56455	2
SWPA	'ROBERT S. KERR 161KV'	36.00027	0.02016	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.54775	2
SWPA	'STOCKTON 161KV'	14.80011	0.01246	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.55545	2
SWPA	'TABLE ROCK 161KV'	62.40044	0.01185	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.55606	2
SWPA	'TENKILLER FERRY 161KV'	12.00009	0.02634	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.54157	2
SWPA	'TRUMAN 161KV'	94.00026	0.01068	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.55723	2
SWPA	'WEBBERS FALLS 161KV'	36.0001	0.02634	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.54157	2
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'COMANCHE 138KV'	160	0.02447	-0.15775	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'COMANCHE 69KV'	63	0.02576	-0.15904	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'RIVERSIDE STATION 138KV'	234	0.02379	-0.15707	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.16044	6

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WEATHERFORD 34KV'	148	0.02438	-0.15766	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'COGENTRIX 345KV'	665	0.02061	-0.15389	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'FITZHUGH 161KV'	81	0.01206	-0.14534	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'FLINT CREEK 161KV'	400	0.01732	-0.1506	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'L&D13 69KV'	11	0.01508	-0.14836	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'NORTHEASTERN STATION 138KV'	207	0.02011	-0.15339	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02011	-0.15339	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01951	-0.15279	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'OEC 345KV'	256	0.02013	-0.15341	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'EASTMAN 138KV'	155	-0.02801	-0.10527	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'KNOXLEE 138KV'	103	-0.02777	-0.10551	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'LEBROCK 345KV'	365	-0.0276	-0.10568	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'LIEBERMAN 138KV'	4	-0.02626	-0.10702	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'PIRKEY GENERATION 138KV'	450	-0.02777	-0.10551	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WELSH 345KV'	960	-0.02988	-0.1034	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WILKES 138KV'	141.6191	-0.03209	-0.10119	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WILKES 345KV'	147.4476	-0.02876	-0.10452	10
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.08928	11
WFEC	'MORLND 138KV'	320	0.02296	WFEC	'HUGO 138KV'	450	0.11216	-0.0892	11
WFEC	'ANADARKO 138KV'	67.87025	0.02777	WFEC	'HUGO 138KV'	450	0.11216	-0.08439	12
WFEC	'ANADARKO 138KV'	90	0.02777	WFEC	'HUGO 138KV'	450	0.11216	-0.08439	12
WFEC	'ANADARKO 69KV'	76	0.02764	WFEC	'HUGO 138KV'	450	0.11216	-0.08452	12
WFEC	'BLUCAN14 138 138KV'	151.2	0.0272	WFEC	'HUGO 138KV'	450	0.11216	-0.08496	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'COGENTRIX 345KV'	665	0.02061	-0.08273	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'COMANCHE 138KV'	160	0.02447	-0.08659	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'COMANCHE 69KV'	63	0.02576	-0.08788	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02011	-0.08223	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'NORTHEASTERN STATION 138KV'	207	0.02011	-0.08223	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'OEC 345KV'	256	0.02013	-0.08225	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'RIVERSIDE STATION 138KV'	234	0.02379	-0.08591	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'WEATHERFORD 34KV'	148	0.02438	-0.0865	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'FLINT CREEK 161KV'	400	0.01732	-0.07944	13
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'L&D13 69KV'	11	0.01508	-0.0772	13
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01951	-0.08163	13
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'FITZHUGH 161KV'	81	0.01206	-0.07418	14
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05859	17
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05999	17
AEPW	'WILKES 138KV'	321.3809	-0.03209	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05925	17
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05517	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'COMANCHE 138KV'	160	0.02447	-0.0573	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'RIVERSIDE STATION 138KV'	234	0.02379	-0.05662	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'WEATHERFORD 34KV'	148	0.02438	-0.05721	18
AEPW	'WELSH 345KV'	84	-0.02988	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05564	18
AEPW	'WELSH 345KV'	84	-0.02988	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05704	18
AEPW	'WILKES 138KV'	321.3809	-0.03209	AEPW	'COMANCHE 138KV'	160	0.02447	-0.05656	18
AEPW	'WILKES 138KV'	321.3809	-0.03209	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05785	18
AEPW	'WILKES 138KV'	321.3809	-0.03209	AEPW	'RIVERSIDE STATION 138KV'	234	0.02379	-0.05588	18
AEPW	'WILKES 138KV'	321.3809	-0.03209	AEPW	'WEATHERFORD 34KV'	148	0.02438	-0.05647	18
AEPW	'WILKES 345KV'	163.5524	-0.02876	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05592	18
AEPW	'ARSENAL HILL 69KV'	99	-0.02549	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05265	19
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'COMANCHE 138KV'	160	0.02447	-0.05248	19
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05377	19
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'WEATHERFORD 34KV'	148	0.02438	-0.05239	19
SWPA	'GREERS FERRY 161KV'	31.20022	0.00228	SWPA	'DENISON 138KV'	50.19986	0.05626	-0.05398	19
SWPA	'INDEPENDENCE 161KV'	13	0.00217	SWPA	'DENISON 138KV'	50.19986	0.05626	-0.05409	19
SWPA	'KENNETT 69KV'	29	0.00228	SWPA	'DENISON 138KV'	50.19986	0.05626	-0.05398	19
AEPW	'KNOXLEE 138KV'	260	-0.02777	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05353	19
AEPW	'KNOXLEE 138KV'	60	-0.02777	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05353	19
AEPW	'KNOXLEE 138KV'	260	-0.02777	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05493	19
AEPW	'KNOXLEE 138KV'	60	-0.02777	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05493	19
AEPW	'LEBROCK 345KV'	332	-0.0276	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05336	19
AEPW	'LEBROCK 345KV'	332	-0.0276	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05476	19
AEPW	'LIEBERMAN 138KV'	224	-0.02626	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05342	19
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'COGENTRIX 345KV'	665	0.02061	-0.05344	19
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'NORTHEASTERN STATION 138KV'	207	0.02011	-0.05294	19
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02011	-0.05294	19
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01951	-0.05234	19
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'OEC 345KV'	256	0.02013	-0.05296	19
SWPA	'MALDEN 69KV'	15	0.00246	SWPA	'DENISON 138KV'	50.19986	0.05626	-0.0538	19
SWPA	'PARAGOULD 69KV'	17.5	0.00202	SWPA	'DENISON 138KV'	50.19986	0.05626	-0.05424	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

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 528145401515401556004131O7FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1079577	0.8	3.3
1086238	0.4	3.3
1089952	1.7	3.3
1090609	0.4	3.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	11.47467	0.01451	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.55336	6
SWPA	'BULL SHOALS 161KV'	194.6908	0.00797	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.5599	6
SWPA	'CARTHAGE 69KV'	32	0.0147	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.55317	6
SWPA	'CLARENCE CANNON DAM 69KV'	3.360355	0.00782	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56005	6
SWPA	'DARDANELLE 161KV'	55.72362	0.00541	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56246	6
SWPA	'DENISON 138KV'	4.152222	0.05622	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.51165	6
SWPA	'EUFAULA 138KV'	3.559044	0.03374	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.53413	6
SWPA	'FORT GIBSON 161KV'	13.97386	0.0219	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.54597	6
SWPA	'GREERS FERRY 161KV'	6.324776	0.00228	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56559	6
SWPA	'INDEPENDENCE 161KV'	13	0.00217	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.5657	6
SWPA	'JONESBORO 161KV'	76	0.00185	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56602	6
SWPA	'KENNETT 69KV'	29	0.00229	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56558	6
SWPA	'KEYSTONE DAM 161KV'	34.97459	0.0223	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.54557	6
SWPA	'MALDEN 69KV'	15.4	0.00248	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56539	6
SWPA	'NORFORK 161KV'	64.98547	0.00616	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56171	6
SWPA	'OZARK 161KV'	50.95354	0.01206	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.55581	6

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SWPA	'PARAGOULD 69KV'	17.5	0.00204	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56583	6
SWPA	'PIGGOTT 69KV'	7.5	0.00236	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56551	6
SWPA	'POPLAR BLUFF 69KV'	13	0.00343	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56444	6
SWPA	'ROBERT S. KERR 161KV'	31.13089	0.02014	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.54773	6
SWPA	'STOCKTON 161KV'	3.064487	0.01244	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.55543	6
SWPA	'TABLE ROCK 161KV'	59.88382	0.01183	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.55604	6
SWPA	'TENKILLER FERRY 161KV'	25.98838	0.02625	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.54162	6
SWPA	'TRUMAN 161KV'	67.11809	0.01063	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.55724	6
SWPA	'WEBBERS FALLS 161KV'	38.17764	0.02625	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.54162	6
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.16042	20
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'COGENTRIX 345KV'	665	0.02125	-0.15452	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'COMANCHE 138KV'	160	0.02448	-0.15775	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'COMANCHE 69KV'	63	0.02576	-0.15903	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01995	-0.15322	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'NORTHEASTERN STATION 138KV'	207	0.01995	-0.15322	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'OEC 345KV'	256	0.02027	-0.15354	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'RIVERSIDE STATION 138KV'	245	0.02274	-0.15601	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'WEATHERFORD 34KV'	148	0.02437	-0.15764	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'FLINT CREEK 161KV'	400	0.01729	-0.15056	22
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'L&D13 69KV'	11	0.01509	-0.14836	22
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'NORTHEASTERN STATION 345KV'	550	0.01951	-0.15278	22
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'FITZHUGH 161KV'	92	0.01208	-0.14535	23
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'EASTMAN 138KV'	155	-0.02807	-0.1052	31
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'KNOXLEE 138KV'	42	-0.02783	-0.10544	31
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'LEBROCK 345KV'	365	-0.02761	-0.10566	31
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02778	-0.10549	31
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'WILKES 345KV'	76.02601	-0.02872	-0.10455	31
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'WELSH 345KV'	990	-0.02986	-0.10341	32
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'WILKES 138KV'	36.91098	-0.032	-0.10127	32
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COMANCHE 69KV'	63	0.02576	-0.08786	37
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.08925	37
WFEC	'MORLND 138KV'	320	0.02294	WFEC	'HUGO 138KV'	450	0.11213	-0.08919	37
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COMANCHE 138KV'	160	0.02448	-0.08658	38
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'WEATHERFORD 34KV'	148	0.02437	-0.08647	38
WFEC	'ANADARKO 138KV'	40.57323	0.02776	WFEC	'HUGO 138KV'	450	0.11213	-0.08437	39
WFEC	'ANADARKO 138KV'	90	0.02776	WFEC	'HUGO 138KV'	450	0.11213	-0.08437	39
WFEC	'ANADARKO 69KV'	76	0.02762	WFEC	'HUGO 138KV'	450	0.11213	-0.08451	39
WFEC	'BLUCAN14 138 138KV'	151.2	0.02719	WFEC	'HUGO 138KV'	450	0.11213	-0.08494	39
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COGENTRIX 345KV'	665	0.02125	-0.08335	39
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'RIVERSIDE STATION 138KV'	245	0.02274	-0.08484	39
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01995	-0.08205	40
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 138KV'	207	0.01995	-0.08205	40
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 345KV'	550	0.01951	-0.08161	40
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'OEC 345KV'	256	0.02027	-0.08237	40
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'FLINT CREEK 161KV'	400	0.01729	-0.07939	41
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'FITZHUGH 161KV'	92	0.01208	-0.07418	44
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05982	55
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05843	56
AEPW	'WILKES 138KV'	426.089	-0.032	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05915	56
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05715	57
AEPW	'WILKES 138KV'	426.089	-0.032	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05776	57
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'WEATHERFORD 34KV'	148	0.02437	-0.05704	58
AEPW	'WELSH 345KV'	54	-0.02986	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05701	58
AEPW	'WILKES 138KV'	426.089	-0.032	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05648	58
AEPW	'WILKES 138KV'	426.089	-0.032	AEPW	'WEATHERFORD 34KV'	148	0.02437	-0.05637	58
AEPW	'EASTMAN 138KV'	330.01	-0.02807	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05522	59
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'RIVERSIDE STATION 138KV'	245	0.02274	-0.05541	59
AEPW	'WELSH 345KV'	54	-0.02986	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05562	59
AEPW	'WILKES 345KV'	234.974	-0.02872	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05587	59
SWPA	'JONESBORO 161KV'	76	0.00185	SWPA	'DENISON 138KV'	65.84778	0.05622	-0.05437	60
AEPW	'KNOXLEE 138KV'	321	-0.02783	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05498	60
AEPW	'KNOXLEE 138KV'	60	-0.02783	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05498	60
AEPW	'LEBROCK 345KV'	332	-0.02761	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05476	60
AEPW	'PIRKEY GENERATION 138KV'	75	-0.02778	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05493	60
AEPW	'WELSH 345KV'	54	-0.02986	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05434	60
AEPW	'WILKES 138KV'	426.089	-0.032	AEPW	'RIVERSIDE STATION 138KV'	245	0.02274	-0.05474	60
AEPW	'WILKES 345KV'	234.974	-0.02872	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05448	60
AEPW	'EASTMAN 138KV'	330.01	-0.02807	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05383	61
SWPA	'KENNETT 69KV'	29	0.00229	SWPA	'DENISON 138KV'	65.84778	0.05622	-0.05393	61
AEPW	'KNOXLEE 138KV'	321	-0.02783	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05359	61
AEPW	'KNOXLEE 138KV'	60	-0.02783	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05359	61
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'COGENTRIX 345KV'	665	0.02125	-0.05392	61
AEPW	'PIRKEY GENERATION 138KV'	75	-0.02778	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05354	61
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.02631	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05346	61
AEPW	'WELSH 345KV'	54	-0.02986	AEPW	'WEATHERFORD 34KV'	148	0.02437	-0.05423	61
AEPW	'ARSENAL HILL 69KV'	99	-0.02547	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05262	62
AEPW	'LEBROCK 345KV'	332	-0.02761	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05337	62
AEPW	'LIEBERMAN 138KV'	224	-0.02623	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05338	62
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'NORTHEASTERN STATION 138KV'	207	0.01995	-0.05262	62
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01995	-0.05262	62
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'OEC 345KV'	256	0.02027	-0.05294	62
AEPW	'WELSH 345KV'	54	-0.02986	AEPW	'RIVERSIDE STATION 138KV'	245	0.02274	-0.0526	62
AEPW	'WILKES 138KV'	426.089	-0.032	AEPW	'COGENTRIX 345KV'	665	0.02125	-0.05325	62
AEPW	'WILKES 345KV'	234.974	-0.02872	AEPW	'COMANCHE 138KV'	160	0.02448	-0.0532	62

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

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 528145401515401556004131076
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1079577	0.8	1.0
1090609	0.2	1.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	34.13196	0.01453	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.55338	2
SWPA	'BULL SHOALS 161KV'	90.8008	0.00795	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.55996	2
SWPA	'CARTHAGE 69KV'	32	0.01474	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.55317	2
SWPA	'CLARENCE CANNON DAM 69KV'	58	0.00784	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56007	2

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SWPA	'DARDANELLE 161KV'	42.20037	0.00537	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56254	2
SWPA	'DENISON 138KV'	18.40016	0.05627	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.51164	2
SWPA	'EUFAULA 138KV'	15.80014	0.03387	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.53404	2
SWPA	'EUFAULA 161KV'	7.900072	0.03383	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.53408	2
SWPA	'FORT GIBSON 161KV'	13.20012	0.02196	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.54595	2
SWPA	'GREERS FERRY 161KV'	29.00026	0.00227	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56564	2
SWPA	'INDEPENDENCE 161KV'	13	0.00216	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56575	2
SWPA	'JONESBORO 161KV'	76	0.00182	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56609	2
SWPA	'KENNETT 69KV'	29	0.00227	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56564	2
SWPA	'KEYSTONE DAM 161KV'	18.40016	0.0226	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.54531	2
SWPA	'MALDEN 69KV'	14	0.00246	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56545	2
SWPA	'NORFORK 161KV'	22.4002	0.00614	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56177	2
SWPA	'OZARK 161KV'	47.00022	0.01204	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.55587	2
SWPA	'PARAGOULD 69KV'	17.5	0.00201	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.5659	2
SWPA	'PIGGOTT 69KV'	7.5	0.00234	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56557	2
SWPA	'POPLAR BLUFF 69KV'	13	0.00336	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56455	2
SWPA	'ROBERT S. KERR 161KV'	33.20031	0.02016	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.54775	2
SWPA	'STOCKTON 161KV'	13.70012	0.01246	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.55545	2
SWPA	'TABLE ROCK 161KV'	58.00052	0.01185	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.55606	2
SWPA	'TENKILLER FERRY 161KV'	11.0001	0.02634	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.54157	2
SWPA	'TRUMAN 161KV'	91.6003	0.01068	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.55723	2
SWPA	'WEBBERS FALLS 161KV'	35.00011	0.02634	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.54157	2
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'COMANCHE 138KV'	160	0.02448	-0.15776	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'COMANCHE 69KV'	63	0.02576	-0.15904	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'RIVERSIDE STATION 138KV'	379	0.02379	-0.15707	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.16045	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'TULSA POWER STATION 138KV'	38	0.02304	-0.15632	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WEATHERFORD 34KV'	148	0.02439	-0.15767	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'COGENTRIX 345KV'	665	0.02061	-0.15389	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'FITZHUGH 161KV'	89	0.01206	-0.14534	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'FLINT CREEK 161KV'	400	0.01732	-0.1506	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'L&D13 69KV'	11	0.01508	-0.14836	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02011	-0.15339	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'NORTHEASTERN STATION 138KV'	304	0.02011	-0.15339	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'NORTHEASTERN STATION 345KV'	550	0.01951	-0.15279	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'OEC 345KV'	256	0.02014	-0.15342	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'LIEBERMAN 138KV'	48.63074	-0.02626	-0.10702	9
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'EASTMAN 138KV'	155	-0.02801	-0.10527	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'KNOXLEE 138KV'	103	-0.02777	-0.10551	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'LEBROCK 345KV'	365	-0.0276	-0.10568	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02777	-0.10551	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WELSH 345KV'	1012	-0.02988	-0.1034	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WILKES 138KV'	133	-0.03209	-0.10119	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WILKES 345KV'	200.1422	-0.02876	-0.10452	10
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.08929	11
WFEC	'MORLND 138KV'	320	0.02296	WFEC	'HUGO 138KV'	450	0.11216	-0.0892	11
WFEC	'ANADARKO 138KV'	41.68806	0.02778	WFEC	'HUGO 138KV'	450	0.11216	-0.08438	12
WFEC	'ANADARKO 138KV'	90	0.02778	WFEC	'HUGO 138KV'	450	0.11216	-0.08438	12
WFEC	'ANADARKO 69KV'	76	0.02764	WFEC	'HUGO 138KV'	450	0.11216	-0.08452	12
WFEC	'BLUCAN14 138 138KV'	151.2	0.0272	WFEC	'HUGO 138KV'	450	0.11216	-0.08496	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'COGENTRIX 345KV'	665	0.02061	-0.08273	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'COMANCHE 138KV'	160	0.02448	-0.0866	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'COMANCHE 69KV'	63	0.02576	-0.08788	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'NORTHEASTERN STATION 138KV'	304	0.02011	-0.08223	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02011	-0.08223	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'NORTHEASTERN STATION 345KV'	550	0.01951	-0.08163	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'OEC 345KV'	256	0.02014	-0.08226	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'RIVERSIDE STATION 138KV'	379	0.02379	-0.08591	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'TULSA POWER STATION 138KV'	38	0.02304	-0.08516	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'WEATHERFORD 34KV'	148	0.02439	-0.08651	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'FLINT CREEK 161KV'	400	0.01732	-0.07944	13
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'L&D13 69KV'	11	0.01508	-0.0772	13
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'FITZHUGH 161KV'	89	0.01206	-0.07418	14
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05859	17
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.06	17
AEPW	'WILKES 138KV'	330	-0.03209	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05926	17
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05518	18
AEPW	'KNOXLEE 138KV'	260	-0.02777	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05494	18
AEPW	'KNOXLEE 138KV'	60	-0.02777	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05494	18
AEPW	'LEBROCK 345KV'	332	-0.0276	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05477	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05731	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'RIVERSIDE STATION 138KV'	379	0.02379	-0.05662	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'TULSA POWER STATION 138KV'	38	0.02304	-0.05587	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'WEATHERFORD 34KV'	148	0.02439	-0.05722	18
AEPW	'PIRKEY GENERATION 138KV'	75	-0.02777	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05494	18
AEPW	'WELSH 345KV'	32	-0.02988	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05564	18
AEPW	'WELSH 345KV'	32	-0.02988	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05705	18
AEPW	'WILKES 138KV'	330	-0.03209	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05657	18
AEPW	'WILKES 138KV'	330	-0.03209	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05785	18
AEPW	'WILKES 138KV'	330	-0.03209	AEPW	'RIVERSIDE STATION 138KV'	379	0.02379	-0.05588	18
AEPW	'WILKES 138KV'	330	-0.03209	AEPW	'TULSA POWER STATION 138KV'	38	0.02304	-0.05513	18
AEPW	'WILKES 138KV'	330	-0.03209	AEPW	'WEATHERFORD 34KV'	148	0.02439	-0.05648	18
AEPW	'WILKES 345KV'	110.8578	-0.02876	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05593	18
AEPW	'ARSENAL HILL 69KV'	99	-0.02549	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05266	19
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05249	19
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05377	19
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'WEATHERFORD 34KV'	148	0.02439	-0.0524	19
SWPA	'GREERS FERRY 161KV'	29.00026	0.00227	SWPA	'DENISON 138KV'	51.59984	0.05627	-0.054	19
SWPA	'INDEPENDENCE 161KV'	13	0.00216	SWPA	'DENISON 138KV'	51.59984	0.05627	-0.05411	19
SWPA	'JONESBORO 161KV'	76	0.00182	SWPA	'DENISON 138KV'	51.59984	0.05627	-0.05445	19
SWPA	'KENNETT 69KV'	29	0.00227	SWPA	'DENISON 138KV'	51.59984	0.05627	-0.054	19
AEPW	'KNOXLEE 138KV'	260	-0.02777	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05225	19
AEPW	'KNOXLEE 138KV'	60	-0.02777	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05225	19
AEPW	'KNOXLEE 138KV'	260	-0.02777	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05353	19
AEPW	'KNOXLEE 138KV'	60	-0.02777	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05353	19
AEPW	'KNOXLEE 138KV'	260	-0.02777	AEPW	'WEATHERFORD 34KV'	148	0.02439	-0.05216	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

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 528145401515582356004111O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1079577	0.8	4.5
1086238	0.4	4.5
1089945	1.7	4.5
1089952	1.3	4.5
1090609	0.2	4.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	40.14902	0.0146	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.55337	8
SWPA	'BULL SHOALS 161KV'	96.02807	0.00807	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.5599	8
SWPA	'CARTHAGE 69KV'	20	0.01477	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.5532	8
SWPA	'CLARENCE CANNON DAM 69KV'	58	0.00785	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56012	8
SWPA	'DARDANELLE 161KV'	44.56081	0.00557	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.5624	8
SWPA	'EUFAULA 138KV'	16.68303	0.03385	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.53412	8
SWPA	'EUFAULA 161KV'	8.341516	0.03381	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.53416	8
SWPA	'FORT GIBSON 161KV'	13.83629	0.022	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.54597	8
SWPA	'GREERS FERRY 161KV'	30.51932	0.00243	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56554	8
SWPA	'INDEPENDENCE 161KV'	13	0.00231	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56566	8
SWPA	'JONESBORO 161KV'	2.799999	0.00195	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56602	8
SWPA	'KENNETT 69KV'	29	0.00238	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56559	8
SWPA	'KEYSTONE DAM 161KV'	19.52976	0.02239	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.54558	8
SWPA	'MALDEN 69KV'	15	0.00255	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56542	8
SWPA	'NORFORK 161KV'	23.60118	0.00625	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56172	8
SWPA	'OZARK 161KV'	48.63363	0.01221	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.55576	8
SWPA	'PARAGOULD 69KV'	17.5	0.00213	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56584	8
SWPA	'PIGGOTT 69KV'	7.5	0.00244	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56553	8
SWPA	'POPLAR BLUFF 69KV'	13	0.0035	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.56447	8
SWPA	'ROBERT S. KERR 161KV'	34.99723	0.02027	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.5477	8
SWPA	'STOCKTON 161KV'	14.44538	0.01249	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.55548	8
SWPA	'TABLE ROCK 161KV'	61.03864	0.01191	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.55606	8
SWPA	'TENKILLER FERRY 161KV'	11.59864	0.02636	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.54161	8
SWPA	'TRUMAN 161KV'	93.36607	0.01066	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.55731	8
SWPA	'WEBBERS FALLS 161KV'	35.81681	0.02636	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.54161	8
SWPA	'DENISON 138KV'	19.52976	0.05631	SWPA	'BROKEN BOW 138KV'	79.48068	0.56797	-0.51166	9
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'COMANCHE 69KV'	63	0.02584	-0.15899	28
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.16038	28
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'COGENTRIX 345KV'	665	0.02134	-0.15449	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'COMANCHE 138KV'	160	0.02456	-0.15771	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'NORTHEASTERN STATION 138KV'	207	0.02003	-0.15318	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02003	-0.15318	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01959	-0.15274	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'OEC 345KV'	206	0.02036	-0.15351	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'RIVERSIDE STATION 138KV'	235	0.02283	-0.15598	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'WEATHERFORD 34KV'	148	0.02445	-0.1576	29
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'FLINT CREEK 161KV'	400	0.01738	-0.15053	30
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'L&D13 69KV'	11	0.01523	-0.14838	30
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'FITZHUGH 161KV'	31	0.01223	-0.14538	31
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'LIEBERMAN 138KV'	48.94702	-0.02612	-0.10703	42
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'EASTMAN 138KV'	155	-0.02795	-0.1052	43
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'KNOXLEE 138KV'	103	-0.02772	-0.10543	43
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'LEBROCK 345KV'	365	-0.0275	-0.10565	43
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'PIRKEY GENERATION 138KV'	450	-0.02767	-0.10548	43
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'WILKES 345KV'	191	-0.02861	-0.10454	43
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'WELSH 345KV'	975.0001	-0.02975	-0.1034	44
AEPW	'NARROWS 69KV'	30	-0.13315	AEPW	'WILKES 138KV'	119.4252	-0.03189	-0.10126	44
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.08919	50
WFEC	'MORLND 138KV'	133.0715	0.02302	WFEC	'HUGO 138KV'	450	0.11223	-0.08921	50
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'COMANCHE 69KV'	63	0.02584	-0.0878	51
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'COMANCHE 138KV'	160	0.02456	-0.08652	52
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'WEATHERFORD 34KV'	148	0.02445	-0.08641	52
WFEC	'ANADARKO 138KV'	90	0.02784	WFEC	'HUGO 138KV'	450	0.11223	-0.08439	53
WFEC	'ANADARKO 69KV'	76	0.0277	WFEC	'HUGO 138KV'	450	0.11223	-0.08453	53
WFEC	'BLUCAN14 138 138KV'	151.2	0.02727	WFEC	'HUGO 138KV'	450	0.11223	-0.08496	53
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'RIVERSIDE STATION 138KV'	235	0.02283	-0.08479	53
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'COGENTRIX 345KV'	665	0.02134	-0.0833	54
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02003	-0.08199	55
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'NORTHEASTERN STATION 138KV'	207	0.02003	-0.08199	55
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01959	-0.08155	55
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'OEC 345KV'	206	0.02036	-0.08232	55
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'FLINT CREEK 161KV'	400	0.01738	-0.07934	57
AEPW	'FULTON 115KV'	153	-0.06196	AEPW	'FITZHUGH 161KV'	31	0.01223	-0.07419	61
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03256	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05979	75
AEPW	'WILKES 138KV'	343.5748	-0.03189	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05912	76
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03256	AEPW	'COMANCHE 69KV'	63	0.02584	-0.0584	77
AEPW	'WILKES 138KV'	343.5748	-0.03189	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05773	78
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03256	AEPW	'COMANCHE 138KV'	160	0.02456	-0.05712	79
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03256	AEPW	'WEATHERFORD 34KV'	148	0.02445	-0.05701	79
AEPW	'WELSH 345KV'	68.99991	-0.02975	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05698	79
AEPW	'WILKES 138KV'	343.5748	-0.03189	AEPW	'COMANCHE 138KV'	160	0.02456	-0.05645	80
AEPW	'WILKES 138KV'	343.5748	-0.03189	AEPW	'WEATHERFORD 34KV'	148	0.02445	-0.05634	80
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03256	AEPW	'RIVERSIDE STATION 138KV'	235	0.02283	-0.05539	81
AEPW	'WELSH 345KV'	68.99991	-0.02975	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05559	81
AEPW	'WILKES 345KV'	120	-0.02861	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05584	81
AEPW	'EASTMAN 138KV'	330.01	-0.02795	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05518	82
AEPW	'KNOXLEE 138KV'	260	-0.02772	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05495	82
AEPW	'KNOXLEE 138KV'	60	-0.02772	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05495	82
AEPW	'LEBROCK 345KV'	332	-0.0275	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05473	82
AEPW	'PIRKEY GENERATION 138KV'	65	-0.02767	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.0549	82
AEPW	'WILKES 138KV'	343.5748	-0.03189	AEPW	'RIVERSIDE STATION 138KV'	235	0.02283	-0.05472	82
AEPW	'WELSH 345KV'	68.99991	-0.02975	AEPW	'COMANCHE 138KV'	160	0.02456	-0.05431	83
AEPW	'WELSH 345KV'	68.99991	-0.02975	AEPW	'WEATHERFORD 34KV'	148	0.02445	-0.0542	83
AEPW	'WILKES 345KV'	120	-0.02861	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05445	83
AEPW	'EASTMAN 138KV'	330.01	-0.02795	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05379	84
SWPA	'GREERS FERRY 161KV'	30.51932	0.00243	SWPA	'DENISON 138KV'	50.47024	0.05631	-0.05388	84
SWPA	'KENNETT 69KV'	29	0.00238	SWPA	'DENISON 138KV'	50.47024	0.05631	-0.05393	84
AEPW	'KNOXLEE 138KV'	260	-0.02772	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05356	84
AEPW	'KNOXLEE 138KV'	60	-0.02772	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05356	84
AEPW	'LEBROCK 345KV'	332	-0.0275	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05334	84
AEPW	'LIEBERMAN 138KV'	179.053	-0.02612	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05335	84
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03256	AEPW	'COGENTRIX 345KV'	665	0.02134	-0.0539	84
AEPW	'PIRKEY GENERATION 138KV'	65	-0.02767	AEPW	'COMANCHE 69KV'	63	0.02584	-0.05351	84
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.0262	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05343	84
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03256	AEPW	'OEC 345KV'	206	0.02036	-0.05292	85
AEPW	'WILKES 138KV'	343.5748	-0.03189	AEPW	'COGENTRIX 345KV'	665	0.02134	-0.05323	85

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'WILKES 345KV'	120	-0.02861	AEPW	'COMANCHE 138KV'	160	0.02456	-0.05317	85
AEPW	'WILKES 345KV'	120	-0.02861	AEPW	'WEATHERFORD 34KV'	148	0.02445	-0.05306	85
AEPW	'ARSENAL HILL 69KV'	99	-0.02535	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02723	-0.05258	86
AEPW	'EASTMAN 138KV'	330.01	-0.02795	AEPW	'COMANCHE 138KV'	160	0.02456	-0.05251	86

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

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 528145401515582356004121O6FA
Date Redispatch Needed: 10/1/06 - 12/1/06
Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.3	0.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	12.35929	0.01471	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.55336	1
SWPA	'BULL SHOALS 161KV'	194.8001	0.00814	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.55993	1
SWPA	'CARTHAGE 69KV'	32	0.0149	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.55317	1
SWPA	'CLARENCE CANNON DAM 69KV'	58	0.00786	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56021	1
SWPA	'DARDANELLE 161KV'	55.80006	0.00561	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56246	1
SWPA	'DENISON 138KV'	3.400024	0.05643	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.51164	1
SWPA	'EUFAULA 138KV'	2.800026	0.03405	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.53402	1
SWPA	'EUFAULA 161KV'	1.400013	0.03401	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.53406	1
SWPA	'FORT GIBSON 161KV'	14.00001	0.02213	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.54594	1
SWPA	'GREERS FERRY 161KV'	5.20005	0.00247	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.5656	1
SWPA	'INDEPENDENCE 161KV'	13	0.00235	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56572	1
SWPA	'JONESBORO 161KV'	76	0.00198	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56609	1
SWPA	'KENNETT 69KV'	29	0.0024	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56567	1
SWPA	'KEYSTONE DAM 161KV'	35.00001	0.02277	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.5453	1
SWPA	'MALDEN 69KV'	15.4	0.00257	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.5655	1
SWPA	'NORFORK 161KV'	65.00001	0.00632	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56175	1
SWPA	'OZARK 161KV'	51.00003	0.01219	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.55588	1
SWPA	'PARAGOULD 69KV'	17.5	0.00215	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56592	1
SWPA	'PIGGOTT 69KV'	7.5	0.00246	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56561	1
SWPA	'POPLAR BLUFF 69KV'	13	0.00348	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.56459	1
SWPA	'ROBERT S. KERR 161KV'	31.20005	0.02035	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.54772	1
SWPA	'STOCKTON 161KV'	2.500019	0.01261	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.55546	1
SWPA	'TABLE ROCK 161KV'	60.00008	0.01203	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.55604	1
SWPA	'TENKILLER FERRY 161KV'	26.00001	0.02652	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.54155	1
SWPA	'TRUMAN 161KV'	37.00006	0.0108	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.55727	1
SWPA	'WEBBERS FALLS 161KV'	38.20001	0.02652	SWPA	'BROKEN BOW 138KV'	104.7999	0.56807	-0.54155	1
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'COGENTRIX 345KV'	665	0.02078	-0.15389	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'COMANCHE 138KV'	160	0.02463	-0.15774	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'COMANCHE 69KV'	63	0.02591	-0.15902	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'FITZHUGH 161KV'	61	0.0122	-0.14531	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'FLINT CREEK 161KV'	400	0.01749	-0.1506	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'L&D13 69KV'	11	0.01526	-0.14837	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02027	-0.15338	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'NORTHEASTERN STATION 138KV'	240	0.02027	-0.15338	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'NORTHEASTERN STATION 345KV'	550	0.01967	-0.15278	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'OEC 345KV'	256	0.02031	-0.15342	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'RIVERSIDE STATION 138KV'	245	0.02397	-0.15708	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.16043	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'WEATHERFORD 34KV'	148	0.02453	-0.15764	2
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'EASTMAN 138KV'	155	-0.02785	-0.10526	3
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'KNOXLEE 138KV'	15.88934	-0.02761	-0.1055	3
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'LEBROCK 345KV'	365	-0.02744	-0.10567	3
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'LIEBERMAN 138KV'	4	-0.0261	-0.10701	3
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02761	-0.1055	3
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'WELSH 345KV'	990	-0.02972	-0.10339	3
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'WILKES 138KV'	7	-0.03193	-0.10118	3
AEPW	'NARROWS 69KV'	30	-0.13311	AEPW	'WILKES 345KV'	74.26818	-0.0286	-0.10451	3
WFEC	'ANADARKO 138KV'	269.9937	0.02793	WFEC	'HUGO 138KV'	370.8604	0.11232	-0.08439	4
WFEC	'ANADARKO 138KV'	90	0.02793	WFEC	'HUGO 138KV'	370.8604	0.11232	-0.08439	4
WFEC	'ANADARKO 69KV'	76	0.02779	WFEC	'HUGO 138KV'	370.8604	0.11232	-0.08453	4
WFEC	'BLUCAN14 138 138KV'	151.2	0.02735	WFEC	'HUGO 138KV'	370.8604	0.11232	-0.08497	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'COGENTRIX 345KV'	665	0.02078	-0.08272	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'COMANCHE 138KV'	160	0.02463	-0.08657	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'COMANCHE 69KV'	63	0.02591	-0.08785	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'FITZHUGH 161KV'	61	0.0122	-0.07414	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'FLINT CREEK 161KV'	400	0.01749	-0.07943	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'L&D13 69KV'	11	0.01526	-0.0772	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'NORTHEASTERN STATION 138KV'	240	0.02027	-0.08221	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02027	-0.08221	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'NORTHEASTERN STATION 345KV'	550	0.01967	-0.08161	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'OEC 345KV'	256	0.02031	-0.08225	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'RIVERSIDE STATION 138KV'	245	0.02397	-0.08591	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.08926	4
AEPW	'FULTON 115KV'	153	-0.06194	AEPW	'WEATHERFORD 34KV'	148	0.02453	-0.08647	4
WFEC	'MORLND 138KV'	320	0.02308	WFEC	'HUGO 138KV'	370.8604	0.11232	-0.08924	4
AEPW	'ARSENAL HILL 69KV'	99	-0.02533	AEPW	'COMANCHE 69KV'	63	0.02591	-0.05124	6
AEPW	'ARSENAL HILL 69KV'	99	-0.02533	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.05265	6
AEPW	'EASTMAN 138KV'	330.01	-0.02785	AEPW	'COMANCHE 138KV'	160	0.02463	-0.05248	6
AEPW	'EASTMAN 138KV'	330.01	-0.02785	AEPW	'COMANCHE 69KV'	63	0.02591	-0.05376	6
AEPW	'EASTMAN 138KV'	330.01	-0.02785	AEPW	'RIVERSIDE STATION 138KV'	245	0.02397	-0.05182	6
AEPW	'EASTMAN 138KV'	330.01	-0.02785	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.05517	6
AEPW	'EASTMAN 138KV'	330.01	-0.02785	AEPW	'WEATHERFORD 34KV'	148	0.02453	-0.05238	6
SWPA	'GREERS FERRY 161KV'	5.20005	0.00247	SWPA	'DENISON 138KV'	66.59998	0.05643	-0.05396	6
SWPA	'INDEPENDENCE 161KV'	13	0.00235	SWPA	'DENISON 138KV'	66.59998	0.05643	-0.05408	6
SWPA	'JONESBORO 161KV'	76	0.00198	SWPA	'DENISON 138KV'	66.59998	0.05643	-0.05445	6
SWPA	'KENNETT 69KV'	29	0.0024	SWPA	'DENISON 138KV'	66.59998	0.05643	-0.05403	6
AEPW	'KNOXLEE 138KV'	347.1107	-0.02761	AEPW	'COMANCHE 138KV'	160	0.02463	-0.05224	6
AEPW	'KNOXLEE 138KV'	60	-0.02761	AEPW	'COMANCHE 138KV'	160	0.02463	-0.05224	6
AEPW	'KNOXLEE 138KV'	347.1107	-0.02761	AEPW	'COMANCHE 69KV'	63	0.02591	-0.05352	6
AEPW	'KNOXLEE 138KV'	60	-0.02761	AEPW	'COMANCHE 69KV'	63	0.02591	-0.05352	6
AEPW	'KNOXLEE 138KV'	347.1107	-0.02761	AEPW	'RIVERSIDE STATION 138KV'	245	0.02397	-0.05158	6
AEPW	'KNOXLEE 138KV'	60	-0.02761	AEPW	'RIVERSIDE STATION 138KV'	245	0.02397	-0.05158	6
AEPW	'KNOXLEE 138KV'	347.1107	-0.02761	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.05493	6
AEPW	'KNOXLEE 138KV'	60	-0.02761	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.05493	6
AEPW	'KNOXLEE 138KV'	347.1107	-0.02761	AEPW	'WEATHERFORD 34KV'	148	0.02453	-0.05214	6

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'KNOXLEE 138KV'	60	-0.02761	AEPW	'WEATHERFORD 34KV'	148	0.02453	-0.05214	6
AEPW	'LEBROCK 345KV'	332	-0.02744	AEPW	'COMANCHE 138KV'	160	0.02463	-0.05207	6
AEPW	'LEBROCK 345KV'	332	-0.02744	AEPW	'COMANCHE 69KV'	63	0.02591	-0.05335	6
AEPW	'LEBROCK 345KV'	332	-0.02744	AEPW	'RIVERSIDE STATION 138KV'	245	0.02397	-0.05141	6
AEPW	'LEBROCK 345KV'	332	-0.02744	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.05476	6
AEPW	'LEBROCK 345KV'	332	-0.02744	AEPW	'WEATHERFORD 34KV'	148	0.02453	-0.05197	6
AEPW	'LIEBERMAN 138KV'	224	-0.0261	AEPW	'COMANCHE 69KV'	63	0.02591	-0.05201	6
AEPW	'LIEBERMAN 138KV'	224	-0.0261	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02732	-0.05342	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'COGENTRIX 345KV'	665	0.02078	-0.05345	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'COMANCHE 138KV'	160	0.02463	-0.0573	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'COMANCHE 69KV'	63	0.02591	-0.05858	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'NORTHEASTERN STATION 138KV'	240	0.02027	-0.05294	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02027	-0.05294	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'NORTHEASTERN STATION 345KV'	550	0.01967	-0.05234	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'OEC 345KV'	256	0.02031	-0.05298	6

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

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 52814540151558235600412107SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1079577	0.2	0.9
1086238	0.2	0.9
1089952	0.4	0.9
1090609	0.1	0.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	29.64485	0.01448	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.55337	2
SWPA	'BULL SHOALS 161KV'	66.21312	0.00795	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.5599	2
SWPA	'CARTHAGE 69KV'	32	0.01468	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.55317	2
SWPA	'CLARENCE CANNON DAM 69KV'	11.06856	0.00781	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.56004	2
SWPA	'DARDANELLE 161KV'	55.72948	0.0054	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.56245	2
SWPA	'DENISON 138KV'	13.36206	0.0562	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.51165	2
SWPA	'EUFAULA 138KV'	11.56756	0.03372	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.53413	2
SWPA	'EUFAULA 161KV'	5.783779	0.03369	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.53416	2
SWPA	'FORT GIBSON 161KV'	9.572918	0.02189	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.54596	2
SWPA	'GREERS FERRY 161KV'	21.14047	0.00227	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.56558	2
SWPA	'INDEPENDENCE 161KV'	13	0.00217	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.56568	2
SWPA	'KENNETT 69KV'	27.5	0.00229	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.56556	2
SWPA	'KEYSTONE DAM 161KV'	13.36206	0.02229	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.54556	2
SWPA	'MALDEN 69KV'	12.5	0.00248	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.56537	2
SWPA	'NORFORK 161KV'	64.9866	0.00614	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.56171	2
SWPA	'OZARK 161KV'	40.55012	0.01205	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.5558	2
SWPA	'PARAGOULD 69KV'	17.5	0.00203	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.56582	2
SWPA	'PIGGOTT 69KV'	7.5	0.00236	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.56549	2
SWPA	'POPLAR BLUFF 69KV'	13	0.00342	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.56443	2
SWPA	'ROBERT S. KERR 161KV'	24.33163	0.02012	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.54773	2
SWPA	'STOCKTON 161KV'	9.971848	0.01241	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.55544	2
SWPA	'TABLE ROCK 161KV'	42.28094	0.01181	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.55604	2
SWPA	'TENKILLER FERRY 161KV'	25.98928	0.02623	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.54162	2
SWPA	'TRUMAN 161KV'	83.13512	0.0106	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.55725	2
SWPA	'WEBBERS FALLS 161KV'	31.77506	0.02623	SWPA	'BROKEN BOW 138KV'	88.85953	0.56785	-0.54162	2
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'COGENTRIX 345KV'	665	0.02123	-0.15451	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'COMANCHE 138KV'	160	0.02446	-0.15774	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'COMANCHE 69KV'	63	0.02574	-0.15902	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'FITZHUGH 161KV'	103	0.01207	-0.14535	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'FLINT CREEK 161KV'	400	0.01727	-0.15055	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'L&D13 69KV'	11	0.01508	-0.14836	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01993	-0.15321	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01993	-0.15321	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'NORTHEASTERN STATION 345KV'	608	0.0195	-0.15278	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'OEC 345KV'	206	0.02026	-0.15354	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'RIVERSIDE STATION 138KV'	482	0.02273	-0.15601	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'SOUTHWESTERN STATION 138KV'	184	0.02713	-0.16041	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'TULSA POWER STATION 138KV'	39	0.02212	-0.1554	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'TULSA POWER STATION 138KV'	38	0.02212	-0.1554	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'WEATHERFORD 34KV'	148	0.02435	-0.15763	6
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'EASTMAN 138KV'	155	-0.02807	-0.10521	9
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'KNOXLEE 138KV'	103	-0.02784	-0.10544	9
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'LEBROCK 345KV'	365	-0.02761	-0.10567	9
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'LIEBERMAN 138KV'	4	-0.02624	-0.10704	9
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02779	-0.10549	9
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'WELSH 345KV'	960	-0.02987	-0.10341	9
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'WILKES 138KV'	145.7758	-0.03201	-0.10127	9
AEPW	'NARROWS 69KV'	3	-0.13328	AEPW	'WILKES 345KV'	157.124	-0.02873	-0.10455	9
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'SOUTHWESTERN STATION 138KV'	184	0.02713	-0.08923	10
WFEC	'MORLND 138KV'	159.9824	0.02292	WFEC	'HUGO 138KV'	450	0.11212	-0.0892	10
WFEC	'ANADARKO 138KV'	9.679344	0.02774	WFEC	'HUGO 138KV'	450	0.11212	-0.08438	11
WFEC	'ANADARKO 138KV'	90	0.02774	WFEC	'HUGO 138KV'	450	0.11212	-0.08438	11
WFEC	'ANADARKO 69KV'	76	0.0276	WFEC	'HUGO 138KV'	450	0.11212	-0.08452	11
WFEC	'BLUCAN14 138 138KV'	151.2	0.02717	WFEC	'HUGO 138KV'	450	0.11212	-0.08495	11
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COGENTRIX 345KV'	665	0.02123	-0.08333	11
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COMANCHE 138KV'	160	0.02446	-0.08656	11
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COMANCHE 69KV'	63	0.02574	-0.08784	11
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01993	-0.08203	11
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01993	-0.08203	11
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 345KV'	608	0.0195	-0.0816	11
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'OEC 345KV'	206	0.02026	-0.08236	11
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'RIVERSIDE STATION 138KV'	482	0.02273	-0.08483	11
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'TULSA POWER STATION 138KV'	39	0.02212	-0.08422	11
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'TULSA POWER STATION 138KV'	38	0.02212	-0.08422	11
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'WEATHERFORD 34KV'	148	0.02435	-0.08645	11
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'FLINT CREEK 161KV'	400	0.01727	-0.07937	12
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'L&D13 69KV'	11	0.01508	-0.07718	12
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'FITZHUGH 161KV'	103	0.01207	-0.07417	13
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'COMANCHE 138KV'	160	0.02446	-0.05714	16
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05842	16
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'SOUTHWESTERN STATION 138KV'	184	0.02713	-0.05981	16

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'WEATHERFORD 34KV'	148	0.02435	-0.05703	16
AEPW	'WELSH 345KV'	84	-0.02987	AEPW	'SOUTHWESTERN STATION 138KV'	184	0.02713	-0.057	16
AEPW	'WILKES 138KV'	317.2242	-0.03201	AEPW	'COMANCHE 138KV'	160	0.02446	-0.05647	16
AEPW	'WILKES 138KV'	317.2242	-0.03201	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05775	16
AEPW	'WILKES 138KV'	317.2242	-0.03201	AEPW	'SOUTHWESTERN STATION 138KV'	184	0.02713	-0.05914	16
AEPW	'EASTMAN 138KV'	330.01	-0.02807	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05381	17
AEPW	'EASTMAN 138KV'	330.01	-0.02807	AEPW	'SOUTHWESTERN STATION 138KV'	184	0.02713	-0.0552	17
SWPA	'GREERS FERRY 161KV'	21.14047	0.00227	SWPA	'DENISON 138KV'	56.63794	0.0562	-0.05393	17
SWPA	'INDEPENDENCE 161KV'	13	0.00217	SWPA	'DENISON 138KV'	56.63794	0.0562	-0.05403	17
SWPA	'KENNETT 69KV'	27.5	0.00229	SWPA	'DENISON 138KV'	56.63794	0.0562	-0.05391	17
AEPW	'KNOXLEE 138KV'	260	-0.02784	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05358	17
AEPW	'KNOXLEE 138KV'	60	-0.02784	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05358	17
AEPW	'KNOXLEE 138KV'	260	-0.02784	AEPW	'SOUTHWESTERN STATION 138KV'	184	0.02713	-0.05497	17
AEPW	'KNOXLEE 138KV'	60	-0.02784	AEPW	'SOUTHWESTERN STATION 138KV'	184	0.02713	-0.05497	17
AEPW	'LEBROCK 345KV'	332	-0.02761	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05335	17
AEPW	'LEBROCK 345KV'	332	-0.02761	AEPW	'SOUTHWESTERN STATION 138KV'	184	0.02713	-0.05474	17
AEPW	'LIEBERMAN 138KV'	224	-0.02624	AEPW	'SOUTHWESTERN STATION 138KV'	184	0.02713	-0.05337	17
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'COGENTRIX 345KV'	665	0.02123	-0.05391	17
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'RIVERSIDE STATION 138KV'	482	0.02273	-0.05541	17
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'TULSA POWER STATION 138KV'	39	0.02212	-0.0548	17
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'TULSA POWER STATION 138KV'	38	0.02212	-0.0548	17
SWPA	'MALDEN 69KV'	12.5	0.00248	SWPA	'DENISON 138KV'	56.63794	0.0562	-0.05372	17
SWPA	'PARAGOULD 69KV'	17.5	0.00203	SWPA	'DENISON 138KV'	56.63794	0.0562	-0.05417	17
SWPA	'PIGGOTT 69KV'	7.5	0.00236	SWPA	'DENISON 138KV'	56.63794	0.0562	-0.05384	17
AEPW	'PIRKEY GENERATION 138KV'	75	-0.02779	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05353	17
AEPW	'PIRKEY GENERATION 138KV'	75	-0.02779	AEPW	'SOUTHWESTERN STATION 138KV'	184	0.02713	-0.05492	17
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.02632	AEPW	'SOUTHWESTERN STATION 138KV'	184	0.02713	-0.05345	17
AEPW	'WELSH 345KV'	84	-0.02987	AEPW	'COMANCHE 138KV'	160	0.02446	-0.05433	17
AEPW	'WELSH 345KV'	84	-0.02987	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05561	17

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

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 528145401515582356004121075P
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1079577	0.8	2.8
1086238	0.4	2.8
1089952	1.4	2.8
1090609	0.3	2.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	23.0457	0.01448	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.55337	5
SWPA	'BULL SHOALS 161KV'	51.81354	0.00795	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.5599	5
SWPA	'CARTHAGE 69KV'	1.999998	0.01468	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.55317	5
SWPA	'CLARENCE CANNON DAM 69KV'	8.768707	0.00781	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56004	5
SWPA	'DARDANELLE 161KV'	55.73309	0.0054	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56245	5
SWPA	'EUFAULA 138KV'	8.967567	0.03373	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.53412	5
SWPA	'EUFAULA 161KV'	4.483784	0.03369	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.53416	5
SWPA	'FORT GIBSON 161KV'	7.573032	0.02189	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.54596	5
SWPA	'GREERS FERRY 161KV'	16.5406	0.00227	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56558	5
SWPA	'INDEPENDENCE 161KV'	13	0.00217	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56568	5
SWPA	'KENNETT 69KV'	21.8	0.00229	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56556	5
SWPA	'KEYSTONE DAM 161KV'	10.56222	0.02229	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.54556	5
SWPA	'MALDEN 69KV'	10	0.00248	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56537	5
SWPA	'NORFORK 161KV'	64.98728	0.00614	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56171	5
SWPA	'OZARK 161KV'	36.9504	0.01205	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.5558	5
SWPA	'PARAGOULD 69KV'	12	0.00203	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56582	5
SWPA	'PIGGOTT 69KV'	7.5	0.00236	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56549	5
SWPA	'POPLAR BLUFF 69KV'	7	0.00342	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.56443	5
SWPA	'ROBERT S. KERR 161KV'	19.13182	0.02012	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.54773	5
SWPA	'STOCKTON 161KV'	7.871956	0.01241	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.55544	5
SWPA	'TABLE ROCK 161KV'	33.08119	0.01181	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.55604	5
SWPA	'TENKILLER FERRY 161KV'	25.98982	0.02623	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.54162	5
SWPA	'TRUMAN 161KV'	77.93513	0.0106	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.55725	5
SWPA	'WEBBERS FALLS 161KV'	29.9752	0.02623	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.54162	5
SWPA	'DENISON 138KV'	10.56222	0.0562	SWPA	'BROKEN BOW 138KV'	93.4594	0.56785	-0.51165	6
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'WELEETKA 138KV'	70	0.05322	-0.11532	24
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COMANCHE 69KV'	63	0.02574	-0.08784	32
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.08923	32
WFEC	'MORLND 138KV'	25.26624	0.02292	WFEC	'HUGO 138KV'	450	0.11212	-0.0892	32
WFEC	'ANADARKO 138KV'	90	0.02774	WFEC	'HUGO 138KV'	450	0.11212	-0.08438	33
WFEC	'ANADARKO 69KV'	76	0.0276	WFEC	'HUGO 138KV'	450	0.11212	-0.08452	33
WFEC	'BLUCAN14 138 138KV'	151.2	0.02717	WFEC	'HUGO 138KV'	450	0.11212	-0.08495	33
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COMANCHE 138KV'	160	0.02446	-0.08656	33
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'RIVERSIDE STATION 138KV'	646	0.02273	-0.08483	33
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'TULSA POWER STATION 138KV'	112	0.02212	-0.08422	33
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'TULSA POWER STATION 138KV'	147	0.02212	-0.08422	33
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'WEATHERFORD 34KV'	148	0.02435	-0.08645	33
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'WELEETKA 138KV'	70	0.05322	-0.0859	33
AEPW	'WILKES 138KV'	97.62759	-0.03201	AEPW	'WELEETKA 138KV'	70	0.05322	-0.08523	33
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COGENTRIX 345KV'	665	0.02123	-0.08333	34
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01993	-0.08203	34
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01993	-0.08203	34
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 345KV'	645	0.0195	-0.0816	34
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'OEC 345KV'	206	0.02026	-0.08236	34
AEPW	'WELSH 345KV'	54	-0.02987	AEPW	'WELEETKA 138KV'	70	0.05322	-0.08309	34
AEPW	'EASTMAN 138KV'	330.01	-0.02808	AEPW	'WELEETKA 138KV'	70	0.05322	-0.0813	35
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'FLINT CREEK 161KV'	420	0.01727	-0.07937	35
AEPW	'KNOXLEE 138KV'	115.4741	-0.02784	AEPW	'WELEETKA 138KV'	70	0.05322	-0.08106	35
AEPW	'KNOXLEE 138KV'	60	-0.02784	AEPW	'WELEETKA 138KV'	70	0.05322	-0.08106	35
AEPW	'LEBROCK 345KV'	332	-0.02762	AEPW	'WELEETKA 138KV'	70	0.05322	-0.08084	35
AEPW	'LIEBERMAN 138KV'	137	-0.02624	AEPW	'WELEETKA 138KV'	70	0.05322	-0.07946	35
AEPW	'PIRKEY GENERATION 138KV'	40	-0.02779	AEPW	'WELEETKA 138KV'	70	0.05322	-0.08101	35
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.02632	AEPW	'WELEETKA 138KV'	70	0.05322	-0.07954	35
AEPW	'ARSENAL HILL 69KV'	75	-0.02548	AEPW	'WELEETKA 138KV'	70	0.05322	-0.0787	36
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'FITZHUGH 161KV'	126	0.01207	-0.07417	38
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05981	47
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05842	48

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'WILKES 138KV'	97.62759	-0.03201	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05914	48
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'COMANCHE 138KV'	160	0.02446	-0.05714	49
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'WEATHERFORD 34KV'	148	0.02435	-0.05703	49
AEPW	'WELSH 345KV'	54	-0.02987	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.057	49
AEPW	'WILKES 138KV'	97.62759	-0.03201	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05775	49
AEPW	'WILKES 138KV'	97.62759	-0.03201	AEPW	'COMANCHE 138KV'	160	0.02446	-0.05647	50
AEPW	'WILKES 138KV'	97.62759	-0.03201	AEPW	'WEATHERFORD 34KV'	148	0.02435	-0.05636	50
AEPW	'EASTMAN 138KV'	330.01	-0.02808	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05521	51
AEPW	'KNOXLEE 138KV'	115.4741	-0.02784	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05497	51
AEPW	'KNOXLEE 138KV'	60	-0.02784	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05497	51
AEPW	'LEBROCK 345KV'	332	-0.02762	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05475	51
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'RIVERSIDE STATION 138KV'	646	0.02273	-0.05541	51
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'TULSA POWER STATION 138KV'	112	0.02212	-0.0548	51
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'TULSA POWER STATION 138KV'	147	0.02212	-0.0548	51
AEPW	'PIRKEY GENERATION 138KV'	40	-0.02779	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05492	51
AEPW	'WELSH 345KV'	54	-0.02987	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05561	51
AEPW	'WILKES 138KV'	97.62759	-0.03201	AEPW	'RIVERSIDE STATION 138KV'	646	0.02273	-0.05474	51
AEPW	'EASTMAN 138KV'	330.01	-0.02808	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05382	52
SWPA	'KENNETT 69KV'	21.8	0.00229	SWPA	'DENISON 138KV'	59.43778	0.0562	-0.05391	52
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'COGENTRIX 345KV'	665	0.02123	-0.05391	52
AEPW	'WELSH 345KV'	54	-0.02987	AEPW	'COMANCHE 138KV'	160	0.02446	-0.05433	52
AEPW	'WELSH 345KV'	54	-0.02987	AEPW	'WEATHERFORD 34KV'	148	0.02435	-0.05422	52
AEPW	'WILKES 138KV'	97.62759	-0.03201	AEPW	'TULSA POWER STATION 138KV'	112	0.02212	-0.05413	52
AEPW	'WILKES 138KV'	97.62759	-0.03201	AEPW	'TULSA POWER STATION 138KV'	147	0.02212	-0.05413	52
AEPW	'ARSENAL HILL 69KV'	75	-0.02548	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05261	53
AEPW	'KNOXLEE 138KV'	115.4741	-0.02784	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05358	53
AEPW	'KNOXLEE 138KV'	60	-0.02784	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05358	53
AEPW	'LEBROCK 345KV'	332	-0.02762	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05336	53
AEPW	'LIEBERMAN 138KV'	137	-0.02624	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05337	53
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01993	-0.05261	53
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01993	-0.05261	53
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03268	AEPW	'OEC 345KV'	206	0.02026	-0.05294	53
AEPW	'PIRKEY GENERATION 138KV'	40	-0.02779	AEPW	'COMANCHE 69KV'	63	0.02574	-0.05353	53
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.02632	AEPW	'SOUTHWESTERN STATION 138KV'	335	0.02713	-0.05345	53
AEPW	'WILKES 138KV'	97.62759	-0.03201	AEPW	'COGENTRIX 345KV'	665	0.02123	-0.05324	53
AEPW	'EASTMAN 138KV'	330.01	-0.02808	AEPW	'COMANCHE 138KV'	160	0.02446	-0.05254	54
AEPW	'EASTMAN 138KV'	330.01	-0.02808	AEPW	'WEATHERFORD 34KV'	148	0.02435	-0.05243	54
AEPW	'KNOXLEE 138KV'	115.4741	-0.02784	AEPW	'COMANCHE 138KV'	160	0.02446	-0.0523	54
AEPW	'KNOXLEE 138KV'	60	-0.02784	AEPW	'COMANCHE 138KV'	160	0.02446	-0.0523	54
AEPW	'KNOXLEE 138KV'	115.4741	-0.02784	AEPW	'WEATHERFORD 34KV'	148	0.02435	-0.05219	54
AEPW	'KNOXLEE 138KV'	60	-0.02784	AEPW	'WEATHERFORD 34KV'	148	0.02435	-0.05219	54
AEPW	'LEBROCK 345KV'	332	-0.02762	AEPW	'COMANCHE 138KV'	160	0.02446	-0.05208	54
AEPW	'LEBROCK 345KV'	332	-0.02762	AEPW	'WEATHERFORD 34KV'	148	0.02435	-0.05197	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

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 528145401515582356004131O6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1079577	0.8	1.0
1090609	0.2	1.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	40.55142	0.01453	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.55338	2
SWPA	'BULL SHOALS 161KV'	98.0007	0.00796	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.55995	2
SWPA	'CARTHAGE 69KV'	21	0.01474	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.55317	2
SWPA	'CLARENCE CANNON DAM 69KV'	58	0.00786	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56005	2
SWPA	'DARDANELLE 161KV'	45.80034	0.00537	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56254	2
SWPA	'DENISON 138KV'	19.80014	0.05626	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.51165	2
SWPA	'EUFAULA 138KV'	17.00013	0.03387	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.53404	2
SWPA	'EUFAULA 161KV'	8.500065	0.03384	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.53407	2
SWPA	'FORT GIBSON 161KV'	14.0001	0.02196	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.54595	2
SWPA	'GREERS FERRY 161KV'	31.20022	0.00228	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56563	2
SWPA	'INDEPENDENCE 161KV'	13	0.00217	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56574	2
SWPA	'JONESBORO 161KV'	3.399998	0.00183	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56608	2
SWPA	'KENNETT 69KV'	29	0.00228	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56563	2
SWPA	'KEYSTONE DAM 161KV'	19.80014	0.0226	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.54531	2
SWPA	'MALDEN 69KV'	15	0.00246	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56545	2
SWPA	'NORFORK 161KV'	24.20018	0.00615	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56176	2
SWPA	'OZARK 161KV'	49.00019	0.01204	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.55587	2
SWPA	'PARAGOULD 69KV'	17.5	0.00202	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56589	2
SWPA	'PIGGOTT 69KV'	7.5	0.00234	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56557	2
SWPA	'POPLAR BLUFF 69KV'	13	0.00336	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.56455	2
SWPA	'ROBERT S. KERR 161KV'	36.00027	0.02016	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.54775	2
SWPA	'STOCKTON 161KV'	14.80011	0.01246	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.55545	2
SWPA	'TABLE ROCK 161KV'	62.40044	0.01185	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.55606	2
SWPA	'TENKILLER FERRY 161KV'	12.00009	0.02634	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.54157	2
SWPA	'TRUMAN 161KV'	94.00026	0.01068	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.55723	2
SWPA	'WEBBERS FALLS 161KV'	36.0001	0.02634	SWPA	'BROKEN BOW 138KV'	78.79978	0.56791	-0.54157	2
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'COMANCHE 138KV'	160	0.02447	-0.15775	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'COMANCHE 69KV'	63	0.02576	-0.15904	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'RIVERSIDE STATION 138KV'	234	0.02379	-0.15707	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.16044	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WEATHERFORD 34KV'	148	0.02438	-0.15766	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'COGENTRIX 345KV'	665	0.02061	-0.15389	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'FITZHUGH 161KV'	81	0.01206	-0.14534	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'FLINT CREEK 161KV'	400	0.01732	-0.1506	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'L&D13 69KV'	11	0.01508	-0.14836	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'NORTHEASTERN STATION 138KV'	207	0.02011	-0.15339	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02011	-0.15339	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01951	-0.15279	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'OEC 345KV'	256	0.02013	-0.15341	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'EASTMAN 138KV'	155	-0.02801	-0.10527	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'KNOXLEE 138KV'	103	-0.02777	-0.10551	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'LEBROCK 345KV'	365	-0.0276	-0.10568	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'LIEBERMAN 138KV'	4	-0.02626	-0.10702	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'PIRKEY GENERATION 138KV'	450	-0.02777	-0.10551	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WELSH 345KV'	960	-0.02988	-0.1034	10

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WILKES 138KV'	141.6191	-0.03209	-0.10119	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WILKES 345KV'	147.4476	-0.02876	-0.10452	10
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.08928	11
WFEC	'MORLND 138KV'	320	0.02296	WFEC	'HUGO 138KV'	450	0.11216	-0.0892	11
WFEC	'ANADARKO 138KV'	67.87025	0.02777	WFEC	'HUGO 138KV'	450	0.11216	-0.08439	12
WFEC	'ANADARKO 138KV'	90	0.02777	WFEC	'HUGO 138KV'	450	0.11216	-0.08439	12
WFEC	'ANADARKO 69KV'	76	0.02764	WFEC	'HUGO 138KV'	450	0.11216	-0.08452	12
WFEC	'BLUCAN14 138 138KV'	151.2	0.0272	WFEC	'HUGO 138KV'	450	0.11216	-0.08496	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'COGENTRIX 345KV'	665	0.02061	-0.08273	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'COMANCHE 138KV'	160	0.02447	-0.08659	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'COMANCHE 69KV'	63	0.02576	-0.08788	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02011	-0.08223	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'NORTHEASTERN STATION 138KV'	207	0.02011	-0.08223	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'OEC 345KV'	256	0.02013	-0.08225	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'RIVERSIDE STATION 138KV'	234	0.02379	-0.08591	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'WEATHERFORD 34KV'	148	0.02438	-0.0865	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'FLINT CREEK 161KV'	400	0.01732	-0.07944	13
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'L&D13 69KV'	11	0.01508	-0.0772	13
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01951	-0.08163	13
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'FITZHUGH 161KV'	81	0.01206	-0.07418	14
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05859	17
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05999	17
AEPW	'WILKES 138KV'	321.3809	-0.03209	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05925	17
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05517	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'COMANCHE 138KV'	160	0.02447	-0.0573	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'RIVERSIDE STATION 138KV'	234	0.02379	-0.05662	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'WEATHERFORD 34KV'	148	0.02438	-0.05721	18
AEPW	'WELSH 345KV'	84	-0.02988	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05564	18
AEPW	'WELSH 345KV'	84	-0.02988	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05704	18
AEPW	'WILKES 138KV'	321.3809	-0.03209	AEPW	'COMANCHE 138KV'	160	0.02447	-0.05656	18
AEPW	'WILKES 138KV'	321.3809	-0.03209	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05785	18
AEPW	'WILKES 138KV'	321.3809	-0.03209	AEPW	'RIVERSIDE STATION 138KV'	234	0.02379	-0.05588	18
AEPW	'WILKES 138KV'	321.3809	-0.03209	AEPW	'WEATHERFORD 34KV'	148	0.02438	-0.05647	18
AEPW	'WILKES 345KV'	163.5524	-0.02876	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05592	18
AEPW	'ARSENAL HILL 69KV'	99	-0.02549	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05265	19
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'COMANCHE 138KV'	160	0.02447	-0.05248	19
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05377	19
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'WEATHERFORD 34KV'	148	0.02438	-0.05239	19
SWPA	'GREERS FERRY 161KV'	31.20022	0.00228	SWPA	'DENISON 138KV'	50.19986	0.05626	-0.05398	19
SWPA	'INDEPENDENCE 161KV'	13	0.00217	SWPA	'DENISON 138KV'	50.19986	0.05626	-0.05409	19
SWPA	'KENNETT 69KV'	29	0.00228	SWPA	'DENISON 138KV'	50.19986	0.05626	-0.05398	19
AEPW	'KNOXLEE 138KV'	260	-0.02777	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05353	19
AEPW	'KNOXLEE 138KV'	60	-0.02777	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05353	19
AEPW	'KNOXLEE 138KV'	260	-0.02777	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05493	19
AEPW	'KNOXLEE 138KV'	60	-0.02777	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05493	19
AEPW	'LEBROCK 345KV'	332	-0.0276	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05336	19
AEPW	'LEBROCK 345KV'	332	-0.0276	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05476	19
AEPW	'LIEBERMAN 138KV'	224	-0.02626	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02716	-0.05342	19
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'COGENTRIX 345KV'	665	0.02061	-0.05344	19
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02011	-0.05294	19
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'NORTHEASTERN STATION 138KV'	207	0.02011	-0.05294	19
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01951	-0.05234	19
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'OEC 345KV'	256	0.02013	-0.05296	19
SWPA	'MALDEN 69KV'	15	0.00246	SWPA	'DENISON 138KV'	50.19986	0.05626	-0.0538	19
SWPA	'PARAGOULD 69KV'	17.5	0.00202	SWPA	'DENISON 138KV'	50.19986	0.05626	-0.05424	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

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 528145401515582356004131O7FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1079577	0.8	3.3
1086238	0.4	3.3
1089952	1.7	3.3
1090609	0.4	3.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	11.47467	0.01451	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.55336	6
SWPA	'BULL SHOALS 161KV'	194.6908	0.00797	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.5599	6
SWPA	'CARTHAGE 69KV'	32	0.0147	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.55317	6
SWPA	'CLARENCE CANNON DAM 69KV'	3.360355	0.00782	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56005	6
SWPA	'DARDANELLE 161KV'	55.72362	0.00541	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56246	6
SWPA	'DENISON 138KV'	4.152222	0.05622	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.51165	6
SWPA	'EUFAULA 138KV'	3.559044	0.03374	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.53413	6
SWPA	'FORT GIBSON 161KV'	13.97386	0.0219	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.54597	6
SWPA	'GREERS FERRY 161KV'	6.324776	0.00228	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56559	6
SWPA	'INDEPENDENCE 161KV'	13	0.00217	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.5657	6
SWPA	'JONESBORO 161KV'	76	0.00185	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56602	6
SWPA	'KENNETT 69KV'	29	0.00229	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56558	6
SWPA	'KEYSTONE DAM 161KV'	34.97459	0.0223	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.54557	6
SWPA	'MALDEN 69KV'	15.4	0.00248	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56539	6
SWPA	'NORFORK 161KV'	64.98547	0.00616	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56171	6
SWPA	'OZARK 161KV'	50.95354	0.01206	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.55581	6
SWPA	'PARAGOULD 69KV'	17.5	0.00204	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56583	6
SWPA	'PIGGOTT 69KV'	7.5	0.00236	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56551	6
SWPA	'POPLAR BLUFF 69KV'	13	0.00343	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.56444	6
SWPA	'ROBERT S. KERR 161KV'	31.13089	0.02014	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.54773	6
SWPA	'STOCKTON 161KV'	3.064487	0.01244	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.55543	6
SWPA	'TABLE ROCK 161KV'	59.88382	0.01183	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.55604	6
SWPA	'TENKILLER FERRY 161KV'	25.98838	0.02625	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.54162	6
SWPA	'TRUMAN 161KV'	67.11809	0.01063	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.55724	6
SWPA	'WEBBERS FALLS 161KV'	38.17764	0.02625	SWPA	'BROKEN BOW 138KV'	103.6752	0.56787	-0.54162	6
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.16042	20
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'COGENTRIX 345KV'	665	0.02125	-0.15452	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'COMANCHE 138KV'	160	0.02448	-0.15775	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'COMANCHE 69KV'	63	0.02576	-0.15903	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'NORTHEASTERN STATION 138KV'	207	0.01995	-0.15322	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01995	-0.15322	21

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'OEC 345KV'	256	0.02027	-0.15354	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'RIVERSIDE STATION 138KV'	245	0.02274	-0.15601	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'WEATHERFORD 34KV'	148	0.02437	-0.15764	21
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'FLINT CREEK 161KV'	400	0.01729	-0.15056	22
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'L&D13 69KV'	11	0.01509	-0.14836	22
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'NORTHEASTERN STATION 345KV'	550	0.01951	-0.15278	22
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'FITZHUGH 161KV'	92	0.01208	-0.14535	23
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'EASTMAN 138KV'	155	-0.02807	-0.1052	31
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'KNOXLEE 138KV'	42	-0.02783	-0.10544	31
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'LEBROCK 345KV'	365	-0.02761	-0.10566	31
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02778	-0.10549	31
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'WILKES 345KV'	76.02601	-0.02872	-0.10455	31
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'WELSH 345KV'	990	-0.02986	-0.10341	32
AEPW	'NARROWS 69KV'	30	-0.13327	AEPW	'WILKES 138KV'	36.91098	-0.032	-0.10127	32
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COMANCHE 69KV'	63	0.02576	-0.08786	37
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.08925	37
WFEC	'MORLND 138KV'	320	0.02294	WFEC	'HUGO 138KV'	450	0.11213	-0.08919	37
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COMANCHE 138KV'	160	0.02448	-0.08658	38
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'WEATHERFORD 34KV'	148	0.02437	-0.08647	38
WFEC	'ANADARKO 138KV'	40.57323	0.02776	WFEC	'HUGO 138KV'	450	0.11213	-0.08437	39
WFEC	'ANADARKO 138KV'	90	0.02776	WFEC	'HUGO 138KV'	450	0.11213	-0.08437	39
WFEC	'ANADARKO 69KV'	76	0.02762	WFEC	'HUGO 138KV'	450	0.11213	-0.08451	39
WFEC	'BLUCAN14 138 138KV'	151.2	0.02719	WFEC	'HUGO 138KV'	450	0.11213	-0.08494	39
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'COGENTRIX 345KV'	665	0.02125	-0.08335	39
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'RIVERSIDE STATION 138KV'	245	0.02274	-0.08484	39
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01995	-0.08205	40
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 138KV'	207	0.01995	-0.08205	40
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'NORTHEASTERN STATION 345KV'	550	0.01951	-0.08161	40
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'OEC 345KV'	256	0.02027	-0.08237	40
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'FLINT CREEK 161KV'	400	0.01729	-0.07939	41
AEPW	'FULTON 115KV'	153	-0.0621	AEPW	'FITZHUGH 161KV'	92	0.01208	-0.07418	44
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05982	55
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05843	56
AEPW	'WILKES 138KV'	426.089	-0.032	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05915	56
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05715	57
AEPW	'WILKES 138KV'	426.089	-0.032	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05776	57
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'WEATHERFORD 34KV'	148	0.02437	-0.05704	58
AEPW	'WELSH 345KV'	54	-0.02986	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05701	58
AEPW	'WILKES 138KV'	426.089	-0.032	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05648	58
AEPW	'WILKES 138KV'	426.089	-0.032	AEPW	'WEATHERFORD 34KV'	148	0.02437	-0.05637	58
AEPW	'EASTMAN 138KV'	330.01	-0.02807	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05522	59
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'RIVERSIDE STATION 138KV'	245	0.02274	-0.05541	59
AEPW	'WELSH 345KV'	54	-0.02986	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05562	59
AEPW	'WILKES 345KV'	234.974	-0.02872	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05587	59
SWPA	'JONESBORO 161KV'	76	0.00185	SWPA	'DENISON 138KV'	65.84778	0.05622	-0.05437	60
AEPW	'KNOXLEE 138KV'	321	-0.02783	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05498	60
AEPW	'KNOXLEE 138KV'	60	-0.02783	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05498	60
AEPW	'LEBROCK 345KV'	332	-0.02761	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05476	60
AEPW	'PIRKEY GENERATION 138KV'	75	-0.02778	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05493	60
AEPW	'WELSH 345KV'	54	-0.02986	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05434	60
AEPW	'WILKES 138KV'	426.089	-0.032	AEPW	'RIVERSIDE STATION 138KV'	245	0.02274	-0.05474	60
AEPW	'WILKES 345KV'	234.974	-0.02872	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05448	60
AEPW	'EASTMAN 138KV'	330.01	-0.02807	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05383	61
SWPA	'KENNETT 69KV'	29	0.00229	SWPA	'DENISON 138KV'	65.84778	0.05622	-0.05393	61
AEPW	'KNOXLEE 138KV'	321	-0.02783	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05359	61
AEPW	'KNOXLEE 138KV'	60	-0.02783	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05359	61
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'COGENTRIX 345KV'	665	0.02125	-0.05392	61
AEPW	'PIRKEY GENERATION 138KV'	75	-0.02778	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05354	61
AEPW	'TENASKA GATEWAY 345KV'	937.03	-0.02631	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05346	61
AEPW	'WELSH 345KV'	54	-0.02986	AEPW	'WEATHERFORD 34KV'	148	0.02437	-0.05423	61
AEPW	'ARSENAL HILL 69KV'	99	-0.02547	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05262	62
AEPW	'LEBROCK 345KV'	332	-0.02761	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05337	62
AEPW	'LIEBERMAN 138KV'	224	-0.02623	AEPW	'SOUTHWESTERN STATION 138KV'	69	0.02715	-0.05338	62
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'NORTHEASTERN STATION 138KV'	207	0.01995	-0.05262	62
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01995	-0.05262	62
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03267	AEPW	'OEC 345KV'	256	0.02027	-0.05294	62
AEPW	'WELSH 345KV'	54	-0.02986	AEPW	'RIVERSIDE STATION 138KV'	245	0.02274	-0.0526	62
AEPW	'WILKES 138KV'	426.089	-0.032	AEPW	'COGENTRIX 345KV'	665	0.02125	-0.05325	62
AEPW	'WILKES 345KV'	234.974	-0.02872	AEPW	'COMANCHE 138KV'	160	0.02448	-0.0532	62

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

Upgrade: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Limiting Facility: BROKEN BOW - CRAIG JUNCTION 138KV CKT 1
Direction: From->To
Line Outage: BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1
Flowgate: 52814540151558235600413107G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1079577	0.8	1.0
1090609	0.2	1.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	34.13196	0.01453	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.55338	2
SWPA	'BULL SHOALS 161KV'	90.8008	0.00795	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.55996	2
SWPA	'CARTHAGE 69KV'	32	0.01474	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.55317	2
SWPA	'CLARENCE CANNON DAM 69KV'	58	0.00784	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56007	2
SWPA	'DARDANELLE 161KV'	42.20037	0.00537	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56254	2
SWPA	'DENISON 138KV'	18.40016	0.05627	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.51164	2
SWPA	'EUFAULA 138KV'	15.80014	0.03387	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.53404	2
SWPA	'EUFAULA 161KV'	7.900072	0.03383	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.53408	2
SWPA	'FORT GIBSON 161KV'	13.20012	0.02196	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.54595	2
SWPA	'GREERS FERRY 161KV'	29.00026	0.00227	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56564	2
SWPA	'INDEPENDENCE 161KV'	13	0.00216	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56575	2
SWPA	'JONESBORO 161KV'	76	0.00182	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56609	2
SWPA	'KENNETT 69KV'	29	0.00227	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56564	2
SWPA	'KEYSTONE DAM 161KV'	18.40016	0.0226	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.54531	2
SWPA	'MALDEN 69KV'	14	0.00246	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56545	2
SWPA	'NORFORK 161KV'	22.4002	0.00614	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56177	2
SWPA	'OZARK 161KV'	47.00022	0.01204	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.55587	2
SWPA	'PARAGOULD 69KV'	17.5	0.00201	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.5659	2
SWPA	'PIGGOTT 69KV'	7.5	0.00234	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56557	2

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SWPA	'POPLAR BLUFF 69KV'	13	0.00336	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.56455	2
SWPA	'ROBERT S. KERR 161KV'	33.20031	0.02016	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.54775	2
SWPA	'STOCKTON 161KV'	13.70012	0.01246	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.55545	2
SWPA	'TABLE ROCK 161KV'	58.00052	0.01185	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.55606	2
SWPA	'TENKILLER FERRY 161KV'	11.0001	0.02634	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.54157	2
SWPA	'TRUMAN 161KV'	91.6003	0.01068	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.55723	2
SWPA	'WEBBERS FALLS 161KV'	35.00011	0.02634	SWPA	'BROKEN BOW 138KV'	80.99974	0.56791	-0.54157	2
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'COMANCHE 138KV'	160	0.02448	-0.15776	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'COMANCHE 69KV'	63	0.02576	-0.15904	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'RIVERSIDE STATION 138KV'	379	0.02379	-0.15707	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.16045	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'TULSA POWER STATION 138KV'	38	0.02304	-0.15632	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WEATHERFORD 34KV'	148	0.02439	-0.15767	6
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'COGENTRIX 345KV'	665	0.02061	-0.15389	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'FITZHUGH 161KV'	89	0.01206	-0.14534	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'FLINT CREEK 161KV'	400	0.01732	-0.1506	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'L&D13 69KV'	11	0.01508	-0.14836	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'NORTHEASTERN STATION 138KV'	304	0.02011	-0.15339	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02011	-0.15339	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'NORTHEASTERN STATION 345KV'	550	0.01951	-0.15279	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'OEC 345KV'	256	0.02014	-0.15342	7
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'LIEBERMAN 138KV'	48.63074	-0.02626	-0.10702	9
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'EASTMAN 138KV'	155	-0.02801	-0.10527	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'KNOXLEE 138KV'	103	-0.02777	-0.10551	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'LEBROCK 345KV'	365	-0.0276	-0.10568	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02777	-0.10551	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WELSH 345KV'	1012	-0.02988	-0.1034	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WILKES 138KV'	133	-0.03209	-0.10119	10
AEPW	'NARROWS 69KV'	30	-0.13328	AEPW	'WILKES 345KV'	200.1422	-0.02876	-0.10452	10
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.08929	11
WFEC	'MORLND 138KV'	320	0.02296	WFEC	'HUGO 138KV'	450	0.11216	-0.0892	11
WFEC	'ANADARKO 138KV'	41.68806	0.02778	WFEC	'HUGO 138KV'	450	0.11216	-0.08438	12
WFEC	'ANADARKO 138KV'	90	0.02778	WFEC	'HUGO 138KV'	450	0.11216	-0.08438	12
WFEC	'ANADARKO 69KV'	76	0.02764	WFEC	'HUGO 138KV'	450	0.11216	-0.08452	12
WFEC	'BLUCAN14 138 138KV'	151.2	0.0272	WFEC	'HUGO 138KV'	450	0.11216	-0.08496	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'COGENTRIX 345KV'	665	0.02061	-0.08273	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'COMANCHE 138KV'	160	0.02448	-0.0866	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'COMANCHE 69KV'	63	0.02576	-0.08788	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02011	-0.08223	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'NORTHEASTERN STATION 138KV'	304	0.02011	-0.08223	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'NORTHEASTERN STATION 345KV'	550	0.01951	-0.08163	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'OEC 345KV'	256	0.02014	-0.08226	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'RIVERSIDE STATION 138KV'	379	0.02379	-0.08591	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'TULSA POWER STATION 138KV'	38	0.02304	-0.08516	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'WEATHERFORD 34KV'	148	0.02439	-0.08651	12
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'FLINT CREEK 161KV'	400	0.01732	-0.07944	13
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'L&D13 69KV'	11	0.01508	-0.0772	13
AEPW	'FULTON 115KV'	153	-0.06212	AEPW	'FITZHUGH 161KV'	89	0.01206	-0.07418	14
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05859	17
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.06	17
AEPW	'WILKES 138KV'	330	-0.03209	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05926	17
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05518	18
AEPW	'KNOXLEE 138KV'	260	-0.02777	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05494	18
AEPW	'KNOXLEE 138KV'	60	-0.02777	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05494	18
AEPW	'LEBROCK 345KV'	332	-0.0276	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05477	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05731	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'RIVERSIDE STATION 138KV'	379	0.02379	-0.05662	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'TULSA POWER STATION 138KV'	38	0.02304	-0.05587	18
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.03283	AEPW	'WEATHERFORD 34KV'	148	0.02439	-0.05722	18
AEPW	'PIRKEY GENERATION 138KV'	75	-0.02777	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05494	18
AEPW	'WELSH 345KV'	32	-0.02988	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05564	18
AEPW	'WELSH 345KV'	32	-0.02988	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05705	18
AEPW	'WILKES 138KV'	330	-0.03209	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05657	18
AEPW	'WILKES 138KV'	330	-0.03209	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05785	18
AEPW	'WILKES 138KV'	330	-0.03209	AEPW	'RIVERSIDE STATION 138KV'	379	0.02379	-0.05588	18
AEPW	'WILKES 138KV'	330	-0.03209	AEPW	'TULSA POWER STATION 138KV'	38	0.02304	-0.05513	18
AEPW	'WILKES 138KV'	330	-0.03209	AEPW	'WEATHERFORD 34KV'	148	0.02439	-0.05648	18
AEPW	'WILKES 345KV'	110.8578	-0.02876	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05593	18
AEPW	'ARSENAL HILL 69KV'	99	-0.02549	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02717	-0.05266	19
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05249	19
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05377	19
AEPW	'EASTMAN 138KV'	330.01	-0.02801	AEPW	'WEATHERFORD 34KV'	148	0.02439	-0.0524	19
SWPA	'GREERS FERRY 161KV'	29.00026	0.00227	SWPA	'DENISON 138KV'	51.59984	0.05627	-0.054	19
SWPA	'INDEPENDENCE 161KV'	13	0.00216	SWPA	'DENISON 138KV'	51.59984	0.05627	-0.05411	19
SWPA	'JONESBORO 161KV'	76	0.00182	SWPA	'DENISON 138KV'	51.59984	0.05627	-0.05445	19
SWPA	'KENNETT 69KV'	29	0.00227	SWPA	'DENISON 138KV'	51.59984	0.05627	-0.054	19
AEPW	'KNOXLEE 138KV'	260	-0.02777	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05225	19
AEPW	'KNOXLEE 138KV'	60	-0.02777	AEPW	'COMANCHE 138KV'	160	0.02448	-0.05225	19
AEPW	'KNOXLEE 138KV'	260	-0.02777	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05353	19
AEPW	'KNOXLEE 138KV'	60	-0.02777	AEPW	'COMANCHE 69KV'	63	0.02576	-0.05353	19
AEPW	'KNOXLEE 138KV'	260	-0.02777	AEPW	'WEATHERFORD 34KV'	148	0.02439	-0.05216	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

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: 575615754915754757556133075H
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090609	5.4	8.1
1090609	0.9	8.1
1090609	0.4	8.1
1090609	0.9	8.1
1090609	0.5	8.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.76383	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'ABILENE ENERGY CENTER 115KV'	6.757809	-0.00235	-0.69839	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CHANUTE 69KV'	46.617	-0.0025	-0.69824	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CITY OF BURLINGTON 69KV'	7.8	-0.00437	-0.69637	12

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CITY OF ERIE 69KV'	22.264	-0.0025	-0.69824	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CITY OF FREDONIA 69KV'	5.225	-0.0029	-0.69784	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CITY OF IOLA 69KV'	19.865	-0.00219	-0.69855	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00377	-0.69697	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	-0.0024	-0.69834	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00437	-0.69637	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'EVANS ENERGY CENTER 138KV'	305	-0.00424	-0.6965	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00285	-0.69789	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'HOLTON 115KV'	12.2	-0.0029	-0.69784	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.00206	-0.69868	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00246	-0.69828	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00246	-0.69828	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.0024	-0.69834	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.5762	-0.00244	-0.6983	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'SOUTH SENECA 115KV'	8.5	-0.00338	-0.69736	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00249	-0.69825	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'WACO 138KV'	17.947	-0.00299	-0.69775	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.05656	-0.64418	13
WERE	'GETTY 69KV'	35	-0.01861	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.0817	99
WERE	'LATHAM1234.0 345KV'	150	-0.00475	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06784	119
WERE	'EVANS ENERGY CENTER 138KV'	488	-0.00424	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06733	120
WERE	'CHANUTE 69KV'	41.183	-0.0025	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06559	123
WERE	'GILL ENERGY CENTER 138KV'	118	-0.00285	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06594	123
WERE	'JEFFREY ENERGY CENTER 345KV'	42	-0.00246	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06555	123
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.0024	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06549	123
WERE	'TECUMSEH ENERGY CENTER 115KV'	52.99999	-0.00249	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06558	123
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00249	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06558	123
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.00213	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06522	124
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.00206	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06515	124
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.00206	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06515	124
WERE	'SMOKYHIL 230 230KV'	72	-0.00209	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06518	124

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

Upgrade: 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: 57561575491575475755613307SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.9	8.0
1090609	0.4	8.0
1090609	1.1	8.0
1090609	0.5	8.0
1090609	5.1	8.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.76383	10
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00235	-0.69839	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.00213	-0.69861	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CHANUTE 69KV'	56.723	-0.0025	-0.69824	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF BURLINGTON 69KV'	10.12	-0.00438	-0.69636	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF ERIE 69KV'	22.274	-0.0025	-0.69824	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF FREDONIA 69KV'	5.225	-0.0029	-0.69784	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF GIRARD 69KV'	4.789	-0.00123	-0.69951	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF IOLA 69KV'	24.267	-0.00219	-0.69855	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF MULVANE 69KV'	8.288	-0.00377	-0.69697	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	-0.0024	-0.69834	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.00438	-0.69636	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'EVANS ENERGY CENTER 138KV'	394.978	-0.00424	-0.6965	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00285	-0.69789	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'HOLTON 115KV'	12.2	-0.0029	-0.69784	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.00206	-0.69868	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00246	-0.69828	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00246	-0.69828	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.0024	-0.69834	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'LAWRENCE ENERGY CENTER 230KV'	234.5685	-0.00244	-0.6983	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'SOUTH SENECA 115KV'	8.5	-0.00338	-0.69736	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00249	-0.69825	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'WACO 138KV'	17.96	-0.00299	-0.69775	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF AUGUSTA 69KV'	25.12	-0.05656	-0.64418	12
WERE	'GETTY 69KV'	35	-0.01861	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.0817	97
WERE	'LATHAM1234.0 345KV'	150	-0.00475	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06784	117
WERE	'EVANS ENERGY CENTER 138KV'	178.022	-0.00424	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06733	118
WERE	'JEFFREY ENERGY CENTER 345KV'	42	-0.00246	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06555	121
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00249	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06558	121
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	-0.00206	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06515	122
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.00206	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06515	122
WERE	'SMOKYHIL 230 230KV'	72	-0.00209	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06518	122
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00173	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.06482	123

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

Upgrade: CLAY CENTER - GREENLEAF 115KV CKT 1
Limiting Facility: KELLY - SOUTH SENECA 115KV CKT 1
Direction: From->To
Line Outage: CONCORDIA - EAST MANHATTAN 230KV CKT 1
Flowgate: 57217573371587585686112207SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090609	2.0	14.9
1090609	0.7	14.9
1090609	1.7	14.9
1090609	0.9	14.9
1090609	4.2	14.9
1090612	1.4	14.9
1090613	1.3	14.9

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

1090674	0.1	14.9
1090817	1.0	14.9
1090964	1.4	14.9
1090965	0.4	14.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CHANUTE 69KV'	46.617	-0.00046	-0.86901	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00074	-0.87021	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CITY OF BURLINGTON 69KV'	7.8	-0.00075	-0.86872	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CITY OF ERIE 69KV'	22.264	-0.00046	-0.86901	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CITY OF IOLA 69KV'	19.865	-0.0005	-0.86897	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00131	-0.86816	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00166	-0.86781	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	-0.01018	-0.85929	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00075	-0.86872	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	-0.00154	-0.86793	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00221	-0.86726	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'HOLTON 115KV'	12.2	0.03515	-0.90462	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00344	-0.86603	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00347	-0.866	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00099	-0.86848	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	-0.00137	-0.8681	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00054	-0.86893	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'WACO 138KV'	17.947	-0.00214	-0.86733	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.02718	-0.84229	18
WEPL	'GREENLEAF 115KV'	14.2	-0.61704	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02828	-0.58876	25
WEPL	'GREENLEAF 115KV'	14.2	-0.61704	WEPL	'JUDSON LARGE 115KV'	100.6043	-0.02824	-0.5888	25
WEPL	'GREENLEAF 115KV'	14.2	-0.61704	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05418	-0.56286	27
WEPL	'CLIFTON 115KV'	70	-0.54644	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02828	-0.51816	29
WEPL	'CLIFTON 115KV'	70	-0.54644	WEPL	'JUDSON LARGE 115KV'	100.6043	-0.02824	-0.5182	29
WEPL	'CLIFTON 115KV'	70	-0.54644	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05418	-0.49226	30
WEPL	'BELOIT 115KV'	16.6	-0.38422	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02828	-0.35594	42
WEPL	'BELOIT 115KV'	16.6	-0.38422	WEPL	'JUDSON LARGE 115KV'	100.6043	-0.02824	-0.35598	42
WEPL	'BELOIT 115KV'	16.6	-0.38422	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05418	-0.33004	45

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

Upgrade: 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: 57217573371CONCNCORD66312207SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090609	2.0	14.9
1090609	0.7	14.9
1090609	1.7	14.9
1090609	0.9	14.9
1090609	4.2	14.9
1090612	1.4	14.9
1090613	1.3	14.9
1090674	0.1	14.9
1090817	1.0	14.9
1090964	1.4	14.9
1090965	0.4	14.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CHANUTE 69KV'	46.617	-0.00046	-0.86901	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00074	-0.87021	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CITY OF BURLINGTON 69KV'	7.8	-0.00075	-0.86872	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CITY OF ERIE 69KV'	22.264	-0.00046	-0.86901	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CITY OF IOLA 69KV'	19.865	-0.0005	-0.86897	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00131	-0.86816	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00166	-0.86781	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	-0.01018	-0.85929	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00075	-0.86872	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	-0.00154	-0.86793	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00221	-0.86726	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'HOLTON 115KV'	12.2	0.03515	-0.90462	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00344	-0.86603	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00347	-0.866	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00099	-0.86848	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	-0.00137	-0.8681	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00054	-0.86893	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'WACO 138KV'	17.947	-0.00214	-0.86733	17
WERE	'SOUTH SENECA 115KV'	8.2	-0.86947	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.02718	-0.84229	18
WEPL	'GREENLEAF 115KV'	14.2	-0.61704	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02828	-0.58876	25
WEPL	'GREENLEAF 115KV'	14.2	-0.61704	WEPL	'JUDSON LARGE 115KV'	100.6043	-0.02824	-0.5888	25
WEPL	'GREENLEAF 115KV'	14.2	-0.61704	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05418	-0.56286	27
WEPL	'CLIFTON 115KV'	70	-0.54644	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02828	-0.51816	29
WEPL	'CLIFTON 115KV'	70	-0.54644	WEPL	'JUDSON LARGE 115KV'	100.6043	-0.02824	-0.5182	29
WEPL	'CLIFTON 115KV'	70	-0.54644	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05418	-0.49226	30
WEPL	'BELOIT 115KV'	16.6	-0.38422	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02828	-0.35594	42
WEPL	'BELOIT 115KV'	16.6	-0.38422	WEPL	'JUDSON LARGE 115KV'	100.6043	-0.02824	-0.35598	42
WEPL	'BELOIT 115KV'	16.6	-0.38422	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05418	-0.33004	45

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

Upgrade: CRESWELL - PARIS 69KV CKT 1
Limiting Facility: CRESWELL - PARIS 69KV CKT 1
Direction: From->To
Line Outage: CRESWELL - OAK 69KV CKT 1
Flowgate: 57543575481575435754713307SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.5	4.8
1090609	0.3	4.8

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

1090609	0.7	4.8
1090609	0.3	4.8
1090609	2.9	4.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00218	-0.64974	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.00198	-0.64994	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CHANUTE 69KV'	56.723	-0.00233	-0.64959	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CITY OF BURLINGTON 69KV'	10.12	-0.00407	-0.64785	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CITY OF ERIE 69KV'	22.274	-0.00233	-0.64959	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CITY OF FREDONIA 69KV'	5.225	-0.0027	-0.64922	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CITY OF GIRARD 69KV'	4.789	-0.00114	-0.65078	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CITY OF IOLA 69KV'	24.267	-0.00203	-0.64989	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CITY OF MULVANE 69KV'	8.288	-0.0035	-0.64842	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.71062	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	-0.00224	-0.64968	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.00407	-0.64785	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'EVANS ENERGY CENTER 138KV'	394.978	-0.00394	-0.64798	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00265	-0.64927	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'HOLTON 115KV'	12.2	-0.00269	-0.64923	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.00191	-0.65001	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00229	-0.64963	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00228	-0.64964	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.00223	-0.64969	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'LAWRENCE ENERGY CENTER 230KV'	234.5685	-0.00227	-0.64965	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'SOUTH SENECA 115KV'	8.5	-0.00314	-0.64878	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00232	-0.6496	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'WACO 138KV'	17.96	-0.00278	-0.64914	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.65192	WERE	'CITY OF AUGUSTA 69KV'	25.12	-0.05262	-0.5993	8
WERE	'GETTY 69KV'	35	-0.01732	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.07602	63
WERE	'EVANS ENERGY CENTER 138KV'	178.022	-0.00394	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.06264	76
WERE	'LATHAM1234.0 345KV'	150	-0.00442	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.06312	76
WERE	'CHANUTE 69KV'	31.077	-0.00233	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.06103	78
WERE	'JEFFREY ENERGY CENTER 345KV'	42	-0.00228	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.06098	78
WERE	'LAWRENCE ENERGY CENTER 115KV'	28	-0.00223	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.06093	78
WERE	'LAWRENCE ENERGY CENTER 230KV'	34.43155	-0.00227	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.06097	78
WERE	'TECUMSEH ENERGY CENTER 115KV'	33	-0.00232	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.06102	78
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00232	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.06102	78
WERE	'BPU - CITY OF MCPHERSON 115KV'	39	-0.00198	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.06068	79
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	-0.00191	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.06061	79
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.00191	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.06061	79
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00161	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.06031	79
WERE	'SMOKYHIL 230 230KV'	72	-0.00195	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.06065	79
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00061	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.0587	-0.05931	81

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

	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER
Upgrade:	CKT 1 & Potter - Roosevelt 345KV
Limiting Facility:	NICHOLS STATION 230-115KV TRANSFORMER CKT 1
Direction:	From->To
Line Outage:	NICHOLS STATION 230-115KV TRANSFORMER CKT 2
Flowgate:	509145091515091550914214085P
Date Redispatch Needed:	Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified:	2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090270	0.1	0.5
1090315	0.1	0.5
1090454	0.2	0.5
1090456	0.1	0.5
1090767	0.1	0.5
1090789	0.1	0.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'BLACKHAWK 115KV'	220	-0.0498	-0.20546	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'CAPROCK 115KV'	8	0.00003	-0.25529	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'CUNNINGHAM 115KV'	110	0.00116	-0.25642	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'CUNNINGHAM 115KV'	71	0.00116	-0.25642	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'CUNNINGHAM 230KV'	306	0.00118	-0.25644	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'HARRINGTON 230KV'	1066	0.0412	-0.29646	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'HUBRCO2 69KV'	11	-0.05529	-0.19997	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'JONES 230KV'	486	-0.00006	-0.2552	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'LP-BRND2 69KV'	80	-0.00012	-0.25514	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'MADOX 115KV'	183	0.00115	-0.25641	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'MOORE COUNTY 115KV'	48	-0.05569	-0.19957	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'MUSTANG 115KV'	300	0.00107	-0.25633	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'MUSTG5 118.0 230KV'	360	0.00116	-0.25642	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'NICHOLS 230KV'	147	0.04614	-0.3014	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'PLANTX 115KV'	216.5015	0.00011	-0.25537	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'PLANTX 230KV'	189	0.00237	-0.25763	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'SAN JUAN 230KV'	12	0.00118	-0.25644	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'SIDRCH 69KV'	20	-0.05529	-0.19997	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'TOLK 230KV'	1039.601	0.00187	-0.25713	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'WILWIND 230KV'	16	0.00681	-0.26207	2
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'CZ 69KV'	39	-0.11997	-0.13529	4
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'HARRINGTON 230KV'	1066	0.0412	-0.09695	5
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'NICHOLS 230KV'	147	0.04614	-0.10189	5
SPS	'NICHOLS 115KV'	66.00001	-0.25526	SPS	'STEER WATER 115KV'	8	-0.18929	-0.06597	7
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'CUNNINGHAM 115KV'	71	0.00116	-0.05691	8
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'CUNNINGHAM 115KV'	110	0.00116	-0.05691	8
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'CUNNINGHAM 230KV'	306	0.00118	-0.05693	8
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'MADOX 115KV'	183	0.00115	-0.0569	8
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'MUSTANG 115KV'	300	0.00107	-0.05682	8
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'MUSTG5 118.0 230KV'	360	0.00116	-0.05691	8
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'PLANTX 230KV'	189	0.00237	-0.05812	8
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'SAN JUAN 230KV'	12	0.00118	-0.05693	8
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'TOLK 230KV'	1039.601	0.00187	-0.05762	8
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'WILWIND 230KV'	16	0.00681	-0.06256	8

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'CAPROCK 115KV'	8	0.00003	-0.05578	9
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'JONES 230KV'	486	-0.00006	-0.05569	9
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'LP-BRND2 69KV'	80	-0.00012	-0.05563	9
SPS	'RIVERVIEW 69KV'	23	-0.05575	SPS	'PLANTX 115KV'	216.5015	0.00011	-0.05586	9
SPS	'JONES 230KV'	243	-0.00006	SPS	'NICHOLS 230KV'	147	0.04614	-0.0462	10
SPS	'LP-BRND2 69KV'	152	-0.00012	SPS	'NICHOLS 230KV'	147	0.04614	-0.04626	10
SPS	'PLANTX 115KV'	36.49854	0.00011	SPS	'NICHOLS 230KV'	147	0.04614	-0.04603	10
SPS	'TUCUMCARI 115KV'	15	0.00003	SPS	'NICHOLS 230KV'	147	0.04614	-0.04611	10
SPS	'CARLSBAD 69KV'	18	0.00127	SPS	'NICHOLS 230KV'	147	0.04614	-0.04487	11
SPS	'MADOX 115KV'	10	0.00115	SPS	'NICHOLS 230KV'	147	0.04614	-0.04499	11
SPS	'TOLK 230KV'	580.3989	0.00187	SPS	'NICHOLS 230KV'	147	0.04614	-0.04427	11
SPS	'TOLK 345KV'	540	0.00178	SPS	'NICHOLS 230KV'	147	0.04614	-0.04436	11
SPS	'CARLSBAD 69KV'	18	0.00127	SPS	'HARRINGTON 230KV'	1066	0.0412	-0.03993	12
SPS	'JONES 230KV'	243	-0.00006	SPS	'HARRINGTON 230KV'	1066	0.0412	-0.04126	12
SPS	'LP-BRND2 69KV'	152	-0.00012	SPS	'HARRINGTON 230KV'	1066	0.0412	-0.04132	12
SPS	'MADOX 115KV'	10	0.00115	SPS	'HARRINGTON 230KV'	1066	0.0412	-0.04005	12
SPS	'PLANTX 115KV'	36.49854	0.00011	SPS	'HARRINGTON 230KV'	1066	0.0412	-0.04109	12
SPS	'TOLK 230KV'	580.3989	0.00187	SPS	'HARRINGTON 230KV'	1066	0.0412	-0.03933	12
SPS	'TOLK 345KV'	540	0.00178	SPS	'HARRINGTON 230KV'	1066	0.0412	-0.03942	12
SPS	'TUCUMCARI 115KV'	15	0.00003	SPS	'HARRINGTON 230KV'	1066	0.0412	-0.04117	12

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

CURRY COUNTY INTERCHANGE -
ROOSEVELT COUNTY INTERCHANGE 115KV
CKT 2 & ROOSEVELT COUNTY
INTERCHANGE 230/115KV TRANSFORMER

Upgrade: CKT 1 & Potter - Roosevelt 345KV
Limiting Facility: NICHOLS STATION 230-115KV TRANSFORMER CKT 2
Direction: From->To
Line Outage: NICHOLS STATION 230-115KV TRANSFORMER CKT 1
Flowgate: 509145091525091550914114085P
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090270	0.5	2.6
1090315	0.7	2.6
1090454	0.8	2.6
1090456	0.2	2.6
1090767	0.4	2.6
1090789	0.2	2.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'HARRINGTON 230KV'	1066	0.04045	-0.29108	9
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'NICHOLS 230KV'	147	0.0453	-0.29593	9
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'CUNNINGHAM 115KV'	110	0.00113	-0.25176	10
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'CUNNINGHAM 115KV'	71	0.00113	-0.25176	10
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'CUNNINGHAM 230KV'	306	0.00116	-0.25179	10
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'MADOX 115KV'	183	0.00113	-0.25176	10
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'MUSTANG 115KV'	300	0.00105	-0.25168	10
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'MUSTG5 118.0 230KV'	360	0.00114	-0.25177	10
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'PLANTX 230KV'	189	0.00233	-0.25296	10
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'SAN JUAN 230KV'	12	0.00116	-0.25179	10
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'TOLK 230KV'	1039.601	0.00184	-0.25247	10
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'WILWIND 230KV'	16	0.00669	-0.25732	10
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'CAPROCK 115KV'	8	0.00003	-0.25066	11
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'JONES 230KV'	486	-0.00006	-0.25057	11
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'LP-BRND2 69KV'	80	-0.00012	-0.25051	11
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'PLANTX 115KV'	216.5015	0.00011	-0.25074	11
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'BLACKHAWK 115KV'	220	-0.04889	-0.20174	13
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'HUBRCO2 69KV'	11	-0.05429	-0.19634	13
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'MOORE COUNTY 115KV'	48	-0.05468	-0.19595	13
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'SIDRCH 69KV'	20	-0.05429	-0.19634	13
SPS	'NICHOLS 115KV'	66.00001	-0.25063	SPS	'CZ 69KV'	39	-0.11779	-0.13284	20
SPS	'RIVERVIEW 69KV'	23	-0.05474	SPS	'NICHOLS 230KV'	147	0.0453	-0.10004	26
SPS	'RIVERVIEW 69KV'	23	-0.05474	SPS	'HARRINGTON 230KV'	1066	0.04045	-0.09519	28
SPS	'RIVERVIEW 69KV'	23	-0.05474	SPS	'WILWIND 230KV'	16	0.00669	-0.06143	43
SPS	'RIVERVIEW 69KV'	23	-0.05474	SPS	'PLANTX 230KV'	189	0.00233	-0.05707	46
SPS	'RIVERVIEW 69KV'	23	-0.05474	SPS	'CUNNINGHAM 115KV'	110	0.00113	-0.05587	47
SPS	'RIVERVIEW 69KV'	23	-0.05474	SPS	'CUNNINGHAM 115KV'	71	0.00113	-0.05587	47
SPS	'RIVERVIEW 69KV'	23	-0.05474	SPS	'CUNNINGHAM 230KV'	306	0.00116	-0.0559	47
SPS	'RIVERVIEW 69KV'	23	-0.05474	SPS	'MADOX 115KV'	183	0.00113	-0.05587	47
SPS	'RIVERVIEW 69KV'	23	-0.05474	SPS	'MUSTANG 115KV'	300	0.00105	-0.05579	47
SPS	'RIVERVIEW 69KV'	23	-0.05474	SPS	'MUSTG5 118.0 230KV'	360	0.00114	-0.05588	47
SPS	'RIVERVIEW 69KV'	23	-0.05474	SPS	'TOLK 230KV'	1039.601	0.00184	-0.05658	47
SPS	'RIVERVIEW 69KV'	23	-0.05474	SPS	'JONES 230KV'	486	-0.00006	-0.05468	48
SPS	'RIVERVIEW 69KV'	23	-0.05474	SPS	'LP-BRND2 69KV'	80	-0.00012	-0.05462	48
SPS	'RIVERVIEW 69KV'	23	-0.05474	SPS	'PLANTX 115KV'	216.5015	0.00011	-0.05485	48
SPS	'JONES 230KV'	243	-0.00006	SPS	'NICHOLS 230KV'	147	0.0453	-0.04536	58
SPS	'LP-BRND2 69KV'	152	-0.00012	SPS	'NICHOLS 230KV'	147	0.0453	-0.04542	58
SPS	'PLANTX 115KV'	36.49854	0.00011	SPS	'NICHOLS 230KV'	147	0.0453	-0.04519	58
SPS	'TOLK 230KV'	580.3989	0.00184	SPS	'NICHOLS 230KV'	147	0.0453	-0.04346	61
SPS	'TOLK 345KV'	540	0.00175	SPS	'NICHOLS 230KV'	147	0.0453	-0.04355	61
SPS	'JONES 230KV'	243	-0.00006	SPS	'HARRINGTON 230KV'	1066	0.04045	-0.04051	65
SPS	'LP-BRND2 69KV'	152	-0.00012	SPS	'HARRINGTON 230KV'	1066	0.04045	-0.04057	65
SPS	'PLANTX 115KV'	36.49854	0.00011	SPS	'HARRINGTON 230KV'	1066	0.04045	-0.04034	65
SPS	'TOLK 230KV'	580.3989	0.00184	SPS	'HARRINGTON 230KV'	1066	0.04045	-0.03861	68
SPS	'TOLK 345KV'	540	0.00175	SPS	'HARRINGTON 230KV'	1066	0.04045	-0.0387	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

CURRY COUNTY INTERCHANGE -
ROOSEVELT COUNTY INTERCHANGE 115KV
CKT 2 & ROOSEVELT COUNTY
INTERCHANGE 230/115KV TRANSFORMER

Upgrade: CKT 1 & Potter - Roosevelt 345KV
Limiting Facility: CANYON EAST - OSAGE SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: BUSHLAND INTERCHANGE - DEAF SMITH INTERCHANGE 230KV CKT 1

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Flowgate: 5108051014150993511111407AP
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount
1090301	1.2	8.0
1090680	4.3	8.0
1090695	2.5	8.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'STEER WATER 115KV'	36	0.04732	-0.15167	53
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.14711	54
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'CZ 69KV'	35	0.04297	-0.14732	54
SPS	'PLANTX 230KV'	189	-0.10013	SPS	'STEER WATER 115KV'	36	0.04732	-0.14745	54
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'HARRINGTON 230KV'	706	0.04113	-0.14548	55
SPS	'TOLK 230KV'	595.2405	-0.0979	SPS	'STEER WATER 115KV'	36	0.04732	-0.14522	55
SPS	'TOLK 345KV'	540	-0.09745	SPS	'STEER WATER 115KV'	36	0.04732	-0.14477	55
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'WILWIND 230KV'	72	0.03907	-0.14342	56
SPS	'PLANTX 230KV'	189	-0.10013	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.14289	56
SPS	'PLANTX 230KV'	189	-0.10013	SPS	'CZ 69KV'	35	0.04297	-0.1431	56
SPS	'PLANTX 230KV'	189	-0.10013	SPS	'HARRINGTON 230KV'	706	0.04113	-0.14126	56
SPS	'PLANTX 230KV'	189	-0.10013	SPS	'WILWIND 230KV'	72	0.03907	-0.1392	57
SPS	'TOLK 230KV'	595.2405	-0.0979	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.14066	57
SPS	'TOLK 230KV'	595.2405	-0.0979	SPS	'CZ 69KV'	35	0.04297	-0.14087	57
SPS	'TOLK 230KV'	595.2405	-0.0979	SPS	'HARRINGTON 230KV'	706	0.04113	-0.13903	57
SPS	'TOLK 345KV'	540	-0.09745	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.14021	57
SPS	'TOLK 345KV'	540	-0.09745	SPS	'CZ 69KV'	35	0.04297	-0.14042	57
SPS	'TOLK 345KV'	540	-0.09745	SPS	'HARRINGTON 230KV'	706	0.04113	-0.13858	57
SPS	'CUNNINGHAM 115KV'	71	-0.0894	SPS	'STEER WATER 115KV'	36	0.04732	-0.13672	58
SPS	'CUNNINGHAM 115KV'	110	-0.0894	SPS	'STEER WATER 115KV'	36	0.04732	-0.13672	58
SPS	'CUNNINGHAM 230KV'	250	-0.08998	SPS	'STEER WATER 115KV'	36	0.04732	-0.1373	58
SPS	'MADOX 115KV'	193	-0.08928	SPS	'STEER WATER 115KV'	36	0.04732	-0.1366	58
SPS	'TOLK 230KV'	595.2405	-0.0979	SPS	'WILWIND 230KV'	72	0.03907	-0.13697	58
SPS	'TOLK 345KV'	540	-0.09745	SPS	'WILWIND 230KV'	72	0.03907	-0.13652	58
SPS	'MUSTANG 115KV'	81.8074	-0.08689	SPS	'STEER WATER 115KV'	36	0.04732	-0.13421	59
SPS	'MUSTG5 118.0 230KV'	385	-0.08787	SPS	'STEER WATER 115KV'	36	0.04732	-0.13519	59
SPS	'CUNNINGHAM 115KV'	71	-0.0894	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.13216	60
SPS	'CUNNINGHAM 115KV'	110	-0.0894	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.13216	60
SPS	'CUNNINGHAM 115KV'	71	-0.0894	SPS	'CZ 69KV'	35	0.04297	-0.13237	60
SPS	'CUNNINGHAM 115KV'	110	-0.0894	SPS	'CZ 69KV'	35	0.04297	-0.13237	60
SPS	'CUNNINGHAM 230KV'	250	-0.08998	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.13274	60
SPS	'CUNNINGHAM 230KV'	250	-0.08998	SPS	'CZ 69KV'	35	0.04297	-0.13295	60
SPS	'MADOX 115KV'	193	-0.08928	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.13204	60
SPS	'MADOX 115KV'	193	-0.08928	SPS	'CZ 69KV'	35	0.04297	-0.13225	60
SPS	'CUNNINGHAM 115KV'	71	-0.0894	SPS	'HARRINGTON 230KV'	706	0.04113	-0.13053	61
SPS	'CUNNINGHAM 115KV'	110	-0.0894	SPS	'HARRINGTON 230KV'	706	0.04113	-0.13053	61
SPS	'CUNNINGHAM 230KV'	250	-0.08998	SPS	'HARRINGTON 230KV'	706	0.04113	-0.13111	61
SPS	'MADOX 115KV'	193	-0.08928	SPS	'HARRINGTON 230KV'	706	0.04113	-0.13041	61
SPS	'MUSTANG 115KV'	81.8074	-0.08689	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.12965	61
SPS	'MUSTANG 115KV'	81.8074	-0.08689	SPS	'CZ 69KV'	35	0.04297	-0.12986	61
SPS	'MUSTG5 118.0 230KV'	385	-0.08787	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.13063	61
SPS	'MUSTG5 118.0 230KV'	385	-0.08787	SPS	'CZ 69KV'	35	0.04297	-0.13084	61
SPS	'CUNNINGHAM 115KV'	71	-0.0894	SPS	'WILWIND 230KV'	72	0.03907	-0.12847	62
SPS	'CUNNINGHAM 115KV'	110	-0.0894	SPS	'WILWIND 230KV'	72	0.03907	-0.12847	62
SPS	'CUNNINGHAM 230KV'	250	-0.08998	SPS	'WILWIND 230KV'	72	0.03907	-0.12905	62
SPS	'MADOX 115KV'	193	-0.08928	SPS	'WILWIND 230KV'	72	0.03907	-0.12835	62
SPS	'MUSTANG 115KV'	81.8074	-0.08689	SPS	'HARRINGTON 230KV'	706	0.04113	-0.12802	62
SPS	'MUSTG5 118.0 230KV'	385	-0.08787	SPS	'HARRINGTON 230KV'	706	0.04113	-0.129	62
SPS	'MUSTANG 115KV'	81.8074	-0.08689	SPS	'WILWIND 230KV'	72	0.03907	-0.12596	63
SPS	'MUSTG5 118.0 230KV'	385	-0.08787	SPS	'WILWIND 230KV'	72	0.03907	-0.12694	63
SPS	'JONES 230KV'	625	-0.06697	SPS	'STEER WATER 115KV'	36	0.04732	-0.11429	70
SPS	'LP-BRND2 69KV'	172	-0.06592	SPS	'STEER WATER 115KV'	36	0.04732	-0.11324	70
SPS	'JONES 230KV'	625	-0.06697	SPS	'CZ 69KV'	35	0.04297	-0.10994	72
SPS	'JONES 230KV'	625	-0.06697	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.10973	73
SPS	'LP-BRND2 69KV'	172	-0.06592	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.10868	73
SPS	'LP-BRND2 69KV'	172	-0.06592	SPS	'CZ 69KV'	35	0.04297	-0.10889	73
SPS	'JONES 230KV'	625	-0.06697	SPS	'HARRINGTON 230KV'	706	0.04113	-0.1081	74
SPS	'LP-BRND2 69KV'	172	-0.06592	SPS	'HARRINGTON 230KV'	706	0.04113	-0.10705	74
SPS	'JONES 230KV'	625	-0.06697	SPS	'WILWIND 230KV'	72	0.03907	-0.10604	75
SPS	'LP-BRND2 69KV'	172	-0.06592	SPS	'WILWIND 230KV'	72	0.03907	-0.10499	76
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'JONES 230KV'	104	-0.06697	-0.03738	213
SPS	'PLANTX 230KV'	189	-0.10013	SPS	'JONES 230KV'	104	-0.06697	-0.03316	240
SPS	'TOLK 230KV'	595.2405	-0.0979	SPS	'JONES 230KV'	104	-0.06697	-0.03093	257
SPS	'TOLK 345KV'	540	-0.09745	SPS	'JONES 230KV'	104	-0.06697	-0.03048	261

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

CURRY COUNTY INTERCHANGE -
ROOSEVELT COUNTY INTERCHANGE 115KV
CKT 2 & ROOSEVELT COUNTY
INTERCHANGE 230/115KV TRANSFORMER
Upgrade: CKT 1 & Potter - Roosevelt 345KV
Limiting Facility: CANYON EAST - OSAGE SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: BUSHLAND INTERCHANGE - DEAF SMITH INTERCHANGE 230KV CKT 1
Flowgate: 5108051014150993511111407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090301	1.8	8.8
1090680	4.4	8.8
1090695	2.6	8.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'PLANTX 115KV'	48	-0.10442	SPS	'NICHOLS 115KV'	147	0.05132	-0.15574	57
SPS	'TOLK 230KV'	588.766	-0.09797	SPS	'NICHOLS 115KV'	147	0.05132	-0.14929	59
SPS	'TOLK 345KV'	540	-0.09753	SPS	'NICHOLS 115KV'	147	0.05132	-0.14885	59
SPS	'PLANTX 115KV'	48	-0.10442	SPS	'BLACKHAWK 115KV'	220	0.04264	-0.14706	60
SPS	'PLANTX 115KV'	48	-0.10442	SPS	'CZ 69KV'	39	0.04285	-0.14727	60
SPS	'PLANTX 115KV'	48	-0.10442	SPS	'SIDRCH 69KV'	20	0.04292	-0.14734	60
SPS	'PLANTX 115KV'	48	-0.10442	SPS	'HARRINGTON 230KV'	1066	0.04102	-0.14544	61

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'PLANTX 115KV'	48	-0.10442	SPS	'MOORE COUNTY 115KV'	48	0.04003	-0.14445	61
SPS	'PLANTX 115KV'	48	-0.10442	SPS	'NICHOLS 230KV'	147	0.04104	-0.14546	61
SPS	'MUSTG5 118.0 230KV'	150	-0.08794	SPS	'NICHOLS 115KV'	147	0.05132	-0.13926	63
SPS	'TOLK 230KV'	588.766	-0.09797	SPS	'BLACKHAWK 115KV'	220	0.04264	-0.14061	63
SPS	'TOLK 230KV'	588.766	-0.09797	SPS	'CZ 69KV'	39	0.04285	-0.14082	63
SPS	'TOLK 345KV'	540	-0.09753	SPS	'BLACKHAWK 115KV'	220	0.04264	-0.14017	63
SPS	'TOLK 345KV'	540	-0.09753	SPS	'CZ 69KV'	39	0.04285	-0.14038	63
SPS	'TOLK 230KV'	588.766	-0.09797	SPS	'HARRINGTON 230KV'	1066	0.04102	-0.13899	64
SPS	'TOLK 230KV'	588.766	-0.09797	SPS	'MOORE COUNTY 115KV'	48	0.04003	-0.138	64
SPS	'TOLK 230KV'	588.766	-0.09797	SPS	'NICHOLS 230KV'	147	0.04104	-0.13901	64
SPS	'TOLK 345KV'	540	-0.09753	SPS	'HARRINGTON 230KV'	1066	0.04102	-0.13855	64
SPS	'TOLK 345KV'	540	-0.09753	SPS	'MOORE COUNTY 115KV'	48	0.04003	-0.13756	64
SPS	'TOLK 345KV'	540	-0.09753	SPS	'NICHOLS 230KV'	147	0.04104	-0.13857	64
SPS	'MUSTG5 118.0 230KV'	150	-0.08794	SPS	'BLACKHAWK 115KV'	220	0.04264	-0.13058	68
SPS	'MUSTG5 118.0 230KV'	150	-0.08794	SPS	'CZ 69KV'	39	0.04285	-0.13079	68
SPS	'MUSTG5 118.0 230KV'	150	-0.08794	SPS	'HARRINGTON 230KV'	1066	0.04102	-0.12896	69
SPS	'MUSTG5 118.0 230KV'	150	-0.08794	SPS	'MOORE COUNTY 115KV'	48	0.04003	-0.12797	69
SPS	'MUSTG5 118.0 230KV'	150	-0.08794	SPS	'NICHOLS 230KV'	147	0.04104	-0.12898	69
SPS	'JONES 230KV'	243	-0.06704	SPS	'NICHOLS 115KV'	147	0.05132	-0.11836	75
SPS	'LP-BRND2 69KV'	152	-0.06598	SPS	'NICHOLS 115KV'	147	0.05132	-0.1173	75
SPS	'JONES 230KV'	243	-0.06704	SPS	'CZ 69KV'	39	0.04285	-0.10989	80
SPS	'JONES 230KV'	243	-0.06704	SPS	'BLACKHAWK 115KV'	220	0.04264	-0.10968	81
SPS	'LP-BRND2 69KV'	152	-0.06598	SPS	'BLACKHAWK 115KV'	220	0.04264	-0.10862	81
SPS	'LP-BRND2 69KV'	152	-0.06598	SPS	'CZ 69KV'	39	0.04285	-0.10883	81
SPS	'JONES 230KV'	243	-0.06704	SPS	'HARRINGTON 230KV'	1066	0.04102	-0.10806	82
SPS	'JONES 230KV'	243	-0.06704	SPS	'NICHOLS 230KV'	147	0.04104	-0.10808	82
SPS	'JONES 230KV'	243	-0.06704	SPS	'MOORE COUNTY 115KV'	48	0.04003	-0.10707	83
SPS	'LP-BRND2 69KV'	152	-0.06598	SPS	'HARRINGTON 230KV'	1066	0.04102	-0.107	83
SPS	'LP-BRND2 69KV'	152	-0.06598	SPS	'MOORE COUNTY 115KV'	48	0.04003	-0.10601	83
SPS	'LP-BRND2 69KV'	152	-0.06598	SPS	'NICHOLS 230KV'	147	0.04104	-0.10702	83
SPS	'TOLK 230KV'	588.766	-0.09797	SPS	'JONES 230KV'	486	-0.06704	-0.03093	286
SPS	'TOLK 345KV'	540	-0.09753	SPS	'JONES 230KV'	486	-0.06704	-0.03049	290

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

CURRY COUNTY INTERCHANGE -
ROOSEVELT COUNTY INTERCHANGE 115KV
CKT 2 & ROOSEVELT COUNTY
INTERCHANGE 230/115KV TRANSFORMER

Upgrade: CKT 1 & Potter - Roosevelt 345KV
Limiting Facility: CANYON EAST - OSAGE SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: BUSHLAND INTERCHANGE - DEAF SMITH INTERCHANGE 230KV CKT 1
Flowgate: 5108051014150993511111408SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090680	0.6	1.0
1090695	0.4	1.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'BLACKHAWK 115KV'	220	0.04241	-0.16884	6
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'CZ 69KV'	39	0.04251	-0.16894	6
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'HARRINGTON 230KV'	1066	0.04079	-0.16722	6
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'HUBRCO2 69KV'	11	0.04268	-0.16911	6
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'MOORE COUNTY 115KV'	48	0.03981	-0.16624	6
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'NICHOLS 115KV'	147	0.05107	-0.1775	6
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'NICHOLS 230KV'	147	0.04081	-0.16724	6
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'SIDRCH 69KV'	20	0.04268	-0.16911	6
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'STEER WATER 115KV'	8	0.04689	-0.17332	6
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'WILWIND 230KV'	16	0.03873	-0.16516	6
SPS	'CARLSBAD 69KV'	18	-0.09297	SPS	'BLACKHAWK 115KV'	220	0.04241	-0.13538	7
SPS	'CARLSBAD 69KV'	18	-0.09297	SPS	'CZ 69KV'	39	0.04251	-0.13548	7
SPS	'CARLSBAD 69KV'	18	-0.09297	SPS	'HARRINGTON 230KV'	1066	0.04079	-0.13376	7
SPS	'CARLSBAD 69KV'	18	-0.09297	SPS	'HUBRCO2 69KV'	11	0.04268	-0.13565	7
SPS	'CARLSBAD 69KV'	18	-0.09297	SPS	'MOORE COUNTY 115KV'	48	0.03981	-0.13278	7
SPS	'CARLSBAD 69KV'	18	-0.09297	SPS	'NICHOLS 115KV'	147	0.05107	-0.14404	7
SPS	'CARLSBAD 69KV'	18	-0.09297	SPS	'NICHOLS 230KV'	147	0.04081	-0.13378	7
SPS	'CARLSBAD 69KV'	18	-0.09297	SPS	'SIDRCH 69KV'	20	0.04268	-0.13565	7
SPS	'CARLSBAD 69KV'	18	-0.09297	SPS	'STEER WATER 115KV'	8	0.04689	-0.13986	7
SPS	'CARLSBAD 69KV'	18	-0.09297	SPS	'WILWIND 230KV'	16	0.03873	-0.1317	7
SPS	'MADOX 115KV'	10	-0.08927	SPS	'BLACKHAWK 115KV'	220	0.04241	-0.13168	7
SPS	'MADOX 115KV'	10	-0.08927	SPS	'CZ 69KV'	39	0.04251	-0.13178	7
SPS	'MADOX 115KV'	10	-0.08927	SPS	'HUBRCO2 69KV'	11	0.04268	-0.13195	7
SPS	'MADOX 115KV'	10	-0.08927	SPS	'NICHOLS 115KV'	147	0.05107	-0.14034	7
SPS	'MADOX 115KV'	10	-0.08927	SPS	'SIDRCH 69KV'	20	0.04268	-0.13195	7
SPS	'MADOX 115KV'	10	-0.08927	SPS	'STEER WATER 115KV'	8	0.04689	-0.13616	7
SPS	'MUSTG5 118.0 230KV'	150	-0.08785	SPS	'BLACKHAWK 115KV'	220	0.04241	-0.13026	7
SPS	'MUSTG5 118.0 230KV'	150	-0.08785	SPS	'CZ 69KV'	39	0.04251	-0.13036	7
SPS	'MUSTG5 118.0 230KV'	150	-0.08785	SPS	'HUBRCO2 69KV'	11	0.04268	-0.13053	7
SPS	'MUSTG5 118.0 230KV'	150	-0.08785	SPS	'NICHOLS 115KV'	147	0.05107	-0.13892	7
SPS	'MUSTG5 118.0 230KV'	150	-0.08785	SPS	'SIDRCH 69KV'	20	0.04268	-0.13053	7
SPS	'MUSTG5 118.0 230KV'	150	-0.08785	SPS	'STEER WATER 115KV'	8	0.04689	-0.13474	7
SPS	'TOLK 230KV'	589.3699	-0.09797	SPS	'BLACKHAWK 115KV'	220	0.04241	-0.14038	7
SPS	'TOLK 230KV'	589.3699	-0.09797	SPS	'CZ 69KV'	39	0.04251	-0.14048	7
SPS	'TOLK 230KV'	589.3699	-0.09797	SPS	'HARRINGTON 230KV'	1066	0.04079	-0.13876	7
SPS	'TOLK 230KV'	589.3699	-0.09797	SPS	'HUBRCO2 69KV'	11	0.04268	-0.14065	7
SPS	'TOLK 230KV'	589.3699	-0.09797	SPS	'MOORE COUNTY 115KV'	48	0.03981	-0.13778	7
SPS	'TOLK 230KV'	589.3699	-0.09797	SPS	'NICHOLS 115KV'	147	0.05107	-0.14904	7
SPS	'TOLK 230KV'	589.3699	-0.09797	SPS	'NICHOLS 230KV'	147	0.04081	-0.13878	7
SPS	'TOLK 230KV'	589.3699	-0.09797	SPS	'SIDRCH 69KV'	20	0.04268	-0.14065	7
SPS	'TOLK 230KV'	589.3699	-0.09797	SPS	'STEER WATER 115KV'	8	0.04689	-0.14486	7
SPS	'TOLK 230KV'	589.3699	-0.09797	SPS	'WILWIND 230KV'	16	0.03873	-0.1367	7
SPS	'TOLK 345KV'	540	-0.09751	SPS	'BLACKHAWK 115KV'	220	0.04241	-0.13992	7
SPS	'TOLK 345KV'	540	-0.09751	SPS	'CZ 69KV'	39	0.04251	-0.14002	7
SPS	'TOLK 345KV'	540	-0.09751	SPS	'HARRINGTON 230KV'	1066	0.04079	-0.1383	7
SPS	'TOLK 345KV'	540	-0.09751	SPS	'HUBRCO2 69KV'	11	0.04268	-0.14019	7
SPS	'TOLK 345KV'	540	-0.09751	SPS	'MOORE COUNTY 115KV'	48	0.03981	-0.13732	7
SPS	'TOLK 345KV'	540	-0.09751	SPS	'NICHOLS 115KV'	147	0.05107	-0.14858	7
SPS	'TOLK 345KV'	540	-0.09751	SPS	'NICHOLS 230KV'	147	0.04081	-0.13832	7
SPS	'TOLK 345KV'	540	-0.09751	SPS	'SIDRCH 69KV'	20	0.04268	-0.14019	7
SPS	'TOLK 345KV'	540	-0.09751	SPS	'STEER WATER 115KV'	8	0.04689	-0.1444	7

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'TOLK 345KV'	540	-0.09751	SPS	'WILWIND 230KV'	16	0.03873	-0.13624	7
SPS	'JONES 230KV'	243	-0.06688	SPS	'NICHOLS 115KV'	147	0.05107	-0.11795	8
SPS	'LP-BRND2 69KV'	110.0703	-0.06585	SPS	'NICHOLS 115KV'	147	0.05107	-0.11692	8
SPS	'MADOX 115KV'	10	-0.08927	SPS	'HARRINGTON 230KV'	1066	0.04079	-0.13006	8
SPS	'MADOX 115KV'	10	-0.08927	SPS	'MOORE COUNTY 115KV'	48	0.03981	-0.12908	8
SPS	'MADOX 115KV'	10	-0.08927	SPS	'NICHOLS 230KV'	147	0.04081	-0.13008	8
SPS	'MADOX 115KV'	10	-0.08927	SPS	'WILWIND 230KV'	16	0.03873	-0.128	8
SPS	'MUSTG5 118.0 230KV'	150	-0.08785	SPS	'HARRINGTON 230KV'	1066	0.04079	-0.12864	8
SPS	'MUSTG5 118.0 230KV'	150	-0.08785	SPS	'MOORE COUNTY 115KV'	48	0.03981	-0.12766	8
SPS	'MUSTG5 118.0 230KV'	150	-0.08785	SPS	'NICHOLS 230KV'	147	0.04081	-0.12866	8
SPS	'MUSTG5 118.0 230KV'	150	-0.08785	SPS	'WILWIND 230KV'	16	0.03873	-0.12658	8
SPS	'JONES 230KV'	243	-0.06688	SPS	'BLACKHAWK 115KV'	220	0.04241	-0.10929	9
SPS	'JONES 230KV'	243	-0.06688	SPS	'CZ 69KV'	39	0.04251	-0.10939	9
SPS	'JONES 230KV'	243	-0.06688	SPS	'HARRINGTON 230KV'	1066	0.04079	-0.10767	9
SPS	'JONES 230KV'	243	-0.06688	SPS	'HUBRCO2 69KV'	11	0.04268	-0.10956	9
SPS	'JONES 230KV'	243	-0.06688	SPS	'MOORE COUNTY 115KV'	48	0.03981	-0.10669	9
SPS	'JONES 230KV'	243	-0.06688	SPS	'NICHOLS 230KV'	147	0.04081	-0.10769	9
SPS	'JONES 230KV'	243	-0.06688	SPS	'SIDRCH 69KV'	20	0.04268	-0.10956	9
SPS	'JONES 230KV'	243	-0.06688	SPS	'STEER WATER 115KV'	8	0.04689	-0.11377	9
SPS	'JONES 230KV'	243	-0.06688	SPS	'WILWIND 230KV'	16	0.03873	-0.10561	9
SPS	'LP-BRND2 69KV'	110.0703	-0.06585	SPS	'BLACKHAWK 115KV'	220	0.04241	-0.10826	9
SPS	'LP-BRND2 69KV'	110.0703	-0.06585	SPS	'CZ 69KV'	39	0.04251	-0.10836	9
SPS	'LP-BRND2 69KV'	110.0703	-0.06585	SPS	'HARRINGTON 230KV'	1066	0.04079	-0.10664	9
SPS	'LP-BRND2 69KV'	110.0703	-0.06585	SPS	'HUBRCO2 69KV'	11	0.04268	-0.10853	9
SPS	'LP-BRND2 69KV'	110.0703	-0.06585	SPS	'MOORE COUNTY 115KV'	48	0.03981	-0.10566	9
SPS	'LP-BRND2 69KV'	110.0703	-0.06585	SPS	'NICHOLS 230KV'	147	0.04081	-0.10666	9
SPS	'LP-BRND2 69KV'	110.0703	-0.06585	SPS	'SIDRCH 69KV'	20	0.04268	-0.10853	9
SPS	'LP-BRND2 69KV'	110.0703	-0.06585	SPS	'STEER WATER 115KV'	8	0.04689	-0.11274	9
SPS	'LP-BRND2 69KV'	110.0703	-0.06585	SPS	'WILWIND 230KV'	16	0.03873	-0.10458	9
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'JONES 230KV'	486	-0.06688	-0.05955	16
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'LP-BRND2 69KV'	121.9297	-0.06585	-0.06058	16
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'MUSTANG 115KV'	300	-0.08686	-0.03957	25
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'MUSTG5 118.0 230KV'	310	-0.08785	-0.03858	25
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'CUNNINGHAM 115KV'	110	-0.08939	-0.03704	26
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'CUNNINGHAM 115KV'	71	-0.08939	-0.03704	26
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'MADOX 115KV'	183	-0.08927	-0.03716	26
SPS	'TUCUMCARI 115KV'	15	-0.12643	SPS	'CUNNINGHAM 230KV'	306	-0.08998	-0.03645	27
SPS	'TOLK 230KV'	589.3699	-0.09797	SPS	'LP-BRND2 69KV'	121.9297	-0.06585	-0.03212	30
SPS	'TOLK 230KV'	589.3699	-0.09797	SPS	'JONES 230KV'	486	-0.06688	-0.03109	31
SPS	'TOLK 345KV'	540	-0.09751	SPS	'LP-BRND2 69KV'	121.9297	-0.06585	-0.03166	31
SPS	'TOLK 345KV'	540	-0.09751	SPS	'JONES 230KV'	486	-0.06688	-0.03063	32

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

	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER
Upgrade:	CKT 1 & Potter - Roosevelt 345KV
Limiting Facility:	CANYON EAST - CANYON WEST 115KV CKT 1
Direction:	From->To
Line Outage:	BUSHLAND INTERCHANGE - DEAF SMITH INTERCHANGE 230KV CKT 1
Flowgate:	5108051078150993511111 4407AP
Date Redispatch Needed:	Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified:	2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount
1090301	0.3	1.8
1090680	0.9	1.8
1090695	0.6	1.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'TUCUMCARI 115KV'	15	-0.12636	SPS	'STEER WATER 115KV'	36	0.04732	-0.17368	10
SPS	'TUCUMCARI 115KV'	15	-0.12636	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.16912	11
SPS	'TUCUMCARI 115KV'	15	-0.12636	SPS	'CZ 69KV'	35	0.04297	-0.16933	11
SPS	'TUCUMCARI 115KV'	15	-0.12636	SPS	'HARRINGTON 230KV'	706	0.04113	-0.16749	11
SPS	'TUCUMCARI 115KV'	15	-0.12636	SPS	'HUBRCO2 69KV'	5	0.04303	-0.16939	11
SPS	'TUCUMCARI 115KV'	15	-0.12636	SPS	'SIDRCH 69KV'	14	0.04303	-0.16939	11
SPS	'TUCUMCARI 115KV'	15	-0.12636	SPS	'WILWIND 230KV'	72	0.03907	-0.16543	11
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.14711	12
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'CZ 69KV'	35	0.04297	-0.14732	12
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'HUBRCO2 69KV'	5	0.04303	-0.14738	12
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'SIDRCH 69KV'	14	0.04303	-0.14738	12
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'STEER WATER 115KV'	36	0.04732	-0.15167	12
SPS	'PLANTX 230KV'	189	-0.10013	SPS	'STEER WATER 115KV'	36	0.04732	-0.14745	12
SPS	'CARLSBAD 69KV'	18	-0.09296	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.13572	13
SPS	'CARLSBAD 69KV'	18	-0.09296	SPS	'CZ 69KV'	35	0.04297	-0.13593	13
SPS	'CARLSBAD 69KV'	18	-0.09296	SPS	'HUBRCO2 69KV'	5	0.04303	-0.13599	13
SPS	'CARLSBAD 69KV'	18	-0.09296	SPS	'SIDRCH 69KV'	14	0.04303	-0.13599	13
SPS	'CARLSBAD 69KV'	18	-0.09296	SPS	'STEER WATER 115KV'	36	0.04732	-0.14028	13
SPS	'CUNNINGHAM 115KV'	71	-0.0894	SPS	'STEER WATER 115KV'	36	0.04732	-0.13672	13
SPS	'CUNNINGHAM 115KV'	110	-0.0894	SPS	'STEER WATER 115KV'	36	0.04732	-0.13672	13
SPS	'CUNNINGHAM 230KV'	250	-0.08998	SPS	'STEER WATER 115KV'	36	0.04732	-0.1373	13
SPS	'MADOX 115KV'	193	-0.08928	SPS	'STEER WATER 115KV'	36	0.04732	-0.1366	13
SPS	'MUSTG5 118.0 230KV'	385	-0.08787	SPS	'STEER WATER 115KV'	36	0.04732	-0.13519	13
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'HARRINGTON 230KV'	706	0.04113	-0.14548	13
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'WILWIND 230KV'	72	0.03907	-0.14342	13
SPS	'PLANTX 230KV'	189	-0.10013	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.14289	13
SPS	'PLANTX 230KV'	189	-0.10013	SPS	'CZ 69KV'	35	0.04297	-0.1431	13
SPS	'PLANTX 230KV'	189	-0.10013	SPS	'HARRINGTON 230KV'	706	0.04113	-0.14126	13
SPS	'PLANTX 230KV'	189	-0.10013	SPS	'HUBRCO2 69KV'	5	0.04303	-0.14316	13
SPS	'PLANTX 230KV'	189	-0.10013	SPS	'SIDRCH 69KV'	14	0.04303	-0.14316	13
SPS	'PLANTX 230KV'	189	-0.10013	SPS	'WILWIND 230KV'	72	0.03907	-0.1392	13
SPS	'TOLK 230KV'	595.2405	-0.0979	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.14066	13
SPS	'TOLK 230KV'	595.2405	-0.0979	SPS	'CZ 69KV'	35	0.04297	-0.14087	13
SPS	'TOLK 230KV'	595.2405	-0.0979	SPS	'HARRINGTON 230KV'	706	0.04113	-0.13903	13
SPS	'TOLK 230KV'	595.2405	-0.0979	SPS	'HUBRCO2 69KV'	5	0.04303	-0.14093	13
SPS	'TOLK 230KV'	595.2405	-0.0979	SPS	'SIDRCH 69KV'	14	0.04303	-0.14093	13
SPS	'TOLK 230KV'	595.2405	-0.0979	SPS	'STEER WATER 115KV'	36	0.04732	-0.14522	13
SPS	'TOLK 230KV'	595.2405	-0.0979	SPS	'WILWIND 230KV'	72	0.03907	-0.13697	13
SPS	'TOLK 345KV'	540	-0.09745	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.14021	13
SPS	'TOLK 345KV'	540	-0.09745	SPS	'CZ 69KV'	35	0.04297	-0.14042	13
SPS	'TOLK 345KV'	540	-0.09745	SPS	'HARRINGTON 230KV'	706	0.04113	-0.13858	13

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'TOLK 345KV'	540	-0.09745	SPS	'HUBRCO2 69KV'	5	0.04303	-0.14048	13
SPS	'TOLK 345KV'	540	-0.09745	SPS	'SIDRCH 69KV'	14	0.04303	-0.14048	13
SPS	'TOLK 345KV'	540	-0.09745	SPS	'STEER WATER 115KV'	36	0.04732	-0.14477	13
SPS	'TOLK 345KV'	540	-0.09745	SPS	'WILWIND 230KV'	72	0.03907	-0.13652	13
SPS	'CARLSBAD 69KV'	18	-0.09296	SPS	'HARRINGTON 230KV'	706	0.04113	-0.13409	14
SPS	'CARLSBAD 69KV'	18	-0.09296	SPS	'WILWIND 230KV'	72	0.03907	-0.13203	14
SPS	'CUNNINGHAM 115KV'	71	-0.0894	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.13216	14
SPS	'CUNNINGHAM 115KV'	110	-0.0894	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.13216	14
SPS	'CUNNINGHAM 115KV'	71	-0.0894	SPS	'CZ 69KV'	35	0.04297	-0.13237	14
SPS	'CUNNINGHAM 115KV'	110	-0.0894	SPS	'CZ 69KV'	35	0.04297	-0.13237	14
SPS	'CUNNINGHAM 115KV'	71	-0.0894	SPS	'HARRINGTON 230KV'	706	0.04113	-0.13053	14
SPS	'CUNNINGHAM 115KV'	110	-0.0894	SPS	'HARRINGTON 230KV'	706	0.04113	-0.13053	14
SPS	'CUNNINGHAM 115KV'	71	-0.0894	SPS	'HUBRCO2 69KV'	5	0.04303	-0.13243	14
SPS	'CUNNINGHAM 115KV'	110	-0.0894	SPS	'HUBRCO2 69KV'	5	0.04303	-0.13243	14
SPS	'CUNNINGHAM 115KV'	71	-0.0894	SPS	'SIDRCH 69KV'	14	0.04303	-0.13243	14
SPS	'CUNNINGHAM 115KV'	110	-0.0894	SPS	'SIDRCH 69KV'	14	0.04303	-0.13243	14
SPS	'CUNNINGHAM 115KV'	71	-0.0894	SPS	'WILWIND 230KV'	72	0.03907	-0.12847	14
SPS	'CUNNINGHAM 115KV'	110	-0.0894	SPS	'WILWIND 230KV'	72	0.03907	-0.12847	14
SPS	'CUNNINGHAM 230KV'	250	-0.08998	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.13274	14
SPS	'CUNNINGHAM 230KV'	250	-0.08998	SPS	'CZ 69KV'	35	0.04297	-0.13295	14
SPS	'CUNNINGHAM 230KV'	250	-0.08998	SPS	'HARRINGTON 230KV'	706	0.04113	-0.13111	14
SPS	'CUNNINGHAM 230KV'	250	-0.08998	SPS	'HUBRCO2 69KV'	5	0.04303	-0.13301	14
SPS	'CUNNINGHAM 230KV'	250	-0.08998	SPS	'SIDRCH 69KV'	14	0.04303	-0.13301	14
SPS	'CUNNINGHAM 230KV'	250	-0.08998	SPS	'WILWIND 230KV'	72	0.03907	-0.12905	14
SPS	'MADOX 115KV'	193	-0.08928	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.13204	14
SPS	'MADOX 115KV'	193	-0.08928	SPS	'CZ 69KV'	35	0.04297	-0.13225	14
SPS	'MADOX 115KV'	193	-0.08928	SPS	'HARRINGTON 230KV'	706	0.04113	-0.13041	14
SPS	'MADOX 115KV'	193	-0.08928	SPS	'HUBRCO2 69KV'	5	0.04303	-0.13231	14
SPS	'MADOX 115KV'	193	-0.08928	SPS	'SIDRCH 69KV'	14	0.04303	-0.13231	14
SPS	'MADOX 115KV'	193	-0.08928	SPS	'WILWIND 230KV'	72	0.03907	-0.12835	14
SPS	'MUSTANG 115KV'	81.8074	-0.08689	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.12965	14
SPS	'MUSTANG 115KV'	81.8074	-0.08689	SPS	'CZ 69KV'	35	0.04297	-0.12986	14
SPS	'MUSTANG 115KV'	81.8074	-0.08689	SPS	'HARRINGTON 230KV'	706	0.04113	-0.12802	14
SPS	'MUSTANG 115KV'	81.8074	-0.08689	SPS	'HUBRCO2 69KV'	5	0.04303	-0.12992	14
SPS	'MUSTANG 115KV'	81.8074	-0.08689	SPS	'SIDRCH 69KV'	14	0.04303	-0.12992	14
SPS	'MUSTANG 115KV'	81.8074	-0.08689	SPS	'STEER WATER 115KV'	36	0.04732	-0.13421	14
SPS	'MUSTANG 115KV'	81.8074	-0.08689	SPS	'WILWIND 230KV'	72	0.03907	-0.12596	14
SPS	'MUSTG5 118.0 230KV'	385	-0.08787	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.13063	14
SPS	'MUSTG5 118.0 230KV'	385	-0.08787	SPS	'CZ 69KV'	35	0.04297	-0.13084	14
SPS	'MUSTG5 118.0 230KV'	385	-0.08787	SPS	'HARRINGTON 230KV'	706	0.04113	-0.129	14
SPS	'MUSTG5 118.0 230KV'	385	-0.08787	SPS	'HUBRCO2 69KV'	5	0.04303	-0.1309	14
SPS	'MUSTG5 118.0 230KV'	385	-0.08787	SPS	'SIDRCH 69KV'	14	0.04303	-0.1309	14
SPS	'MUSTG5 118.0 230KV'	385	-0.08787	SPS	'WILWIND 230KV'	72	0.03907	-0.12694	14
SPS	'JONES 230KV'	625	-0.06697	SPS	'STEER WATER 115KV'	36	0.04732	-0.11429	16
SPS	'LP-BRND2 69KV'	172	-0.06592	SPS	'STEER WATER 115KV'	36	0.04732	-0.11324	16
SPS	'JONES 230KV'	625	-0.06697	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.10973	17
SPS	'JONES 230KV'	625	-0.06697	SPS	'CZ 69KV'	35	0.04297	-0.10994	17
SPS	'JONES 230KV'	625	-0.06697	SPS	'HARRINGTON 230KV'	706	0.04113	-0.1081	17
SPS	'JONES 230KV'	625	-0.06697	SPS	'SIDRCH 69KV'	14	0.04303	-0.11	17
SPS	'JONES 230KV'	625	-0.06697	SPS	'WILWIND 230KV'	72	0.03907	-0.10604	17
SPS	'LP-BRND2 69KV'	172	-0.06592	SPS	'BLACKHAWK 115KV'	220	0.04276	-0.10868	17
SPS	'LP-BRND2 69KV'	172	-0.06592	SPS	'CZ 69KV'	35	0.04297	-0.10889	17
SPS	'LP-BRND2 69KV'	172	-0.06592	SPS	'HARRINGTON 230KV'	706	0.04113	-0.10705	17
SPS	'LP-BRND2 69KV'	172	-0.06592	SPS	'SIDRCH 69KV'	14	0.04303	-0.10895	17
SPS	'LP-BRND2 69KV'	172	-0.06592	SPS	'WILWIND 230KV'	72	0.03907	-0.10499	17
SPS	'TUCUMCARI 115KV'	15	-0.12636	SPS	'LP-BRND2 69KV'	60	-0.06592	-0.06044	30
SPS	'TUCUMCARI 115KV'	15	-0.12636	SPS	'JONES 230KV'	104	-0.06697	-0.05939	31
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'LP-BRND2 69KV'	60	-0.06592	-0.03843	47
SPS	'PLANTX 115KV'	253	-0.10435	SPS	'JONES 230KV'	104	-0.06697	-0.03738	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

CURRY COUNTY INTERCHANGE -
ROOSEVELT COUNTY INTERCHANGE 115KV
CKT 2 & ROOSEVELT COUNTY
INTERCHANGE 230/115KV TRANSFORMER

Upgrade: CKT 1 & Potter - Roosevelt 345KV
Limiting Facility: POTTER COUNTY INTERCHANGE (POTTR CO) 345-230-13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51442 1
Flowgate: POTTTRCO2761GEN5144214407G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1040980	0.7	14.0
1087085	0.1	14.0
1090270	0.2	14.0
1090454	0.1	14.0
1090609	0.1	14.0
1090613	0.2	14.0
1090662	0.1	14.0
1090680	2.5	14.0
1090695	1.4	14.0
1090699	4.2	14.0
1090705	4.2	14.0
1090767	0.2	14.0
1090789	0.2	14.0
1090808	0.1	14.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'CLIFTON 115KV'	70	0.04649	WEPL	'JUDSON LARGE 115KV'	77.8153	0.15286	-0.10637	132
WERE	'NEOSHO ENERGY CENTER 138KV'	67	-0.00409	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.07733	-0.08142	173
WERE	'LATHAM1234.0 345KV'	150	0.00033	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.07733	-0.077	182
WERE	'EVANS ENERGY CENTER 138KV'	313	0.00129	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.07733	-0.07604	185
WERE	'GILL ENERGY CENTER 69KV'	118	0.00317	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.07733	-0.07416	189
WERE	'NEOSHO ENERGY CENTER 138KV'	67	-0.00409	WERE	'BPU - CITY OF MCPHERSON 115KV'	127.0369	0.06835	-0.07244	194
WERE	'LATHAM1234.0 345KV'	150	0.00033	WERE	'BPU - CITY OF MCPHERSON 115KV'	127.0369	0.06835	-0.06802	207
WERE	'EVANS ENERGY CENTER 138KV'	313	0.00129	WERE	'BPU - CITY OF MCPHERSON 115KV'	127.0369	0.06835	-0.06706	209
SPS	'HARRINGTON 230KV'	360	-0.33164	SPS	'LP-BRND2 69KV'	80	-0.26507	-0.06657	211
AEPW	'SOUTHWESTERN STATION 138KV'	337	-0.08099	AEPW	'FLINT CREEK 161KV'	400	-0.01434	-0.06665	211
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08099	AEPW	'FLINT CREEK 161KV'	400	-0.01434	-0.06665	211
AEPW	'SOUTHWESTERN STATION 138KV'	337	-0.08099	AEPW	'FITZHUGH 161KV'	79	-0.01504	-0.06595	213

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08099	AEPW	'FITZHUGH 161KV'	79	-0.01504	-0.06595	213
SPS	'HARRINGTON 230KV'	360	-0.33164	SPS	'JONES 230KV'	486	-0.26592	-0.06572	214
SPS	'NICHOLS 230KV'	191.4756	-0.3304	SPS	'LP-BRND2 69KV'	80	-0.26507	-0.06533	215
WERE	'GILL ENERGY CENTER 69KV'	118	0.00317	WERE	'BPU - CITY OF MCPHERSON 115KV'	127.0369	0.06835	-0.06518	216
SPS	'NICHOLS 230KV'	191.4756	-0.3304	SPS	'JONES 230KV'	486	-0.26592	-0.06448	218
AEPW	'SOUTHWESTERN STATION 138KV'	337	-0.08099	AEPW	'NORTHEASTERN STATION 345KV'	550	-0.01757	-0.06342	221
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08099	AEPW	'NORTHEASTERN STATION 345KV'	550	-0.01757	-0.06342	221
AEPW	'SOUTHWESTERN STATION 138KV'	337	-0.08099	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.01877	-0.06222	226
AEPW	'SOUTHWESTERN STATION 138KV'	337	-0.08099	AEPW	'NORTHEASTERN STATION 138KV'	304	-0.01877	-0.06222	226
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08099	AEPW	'NORTHEASTERN STATION 138KV'	304	-0.01877	-0.06222	226
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08099	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.01877	-0.06222	226
AEPW	'SOUTHWESTERN STATION 138KV'	337	-0.08099	AEPW	'EASTMAN 138KV'	355	-0.02046	-0.06053	232
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08099	AEPW	'EASTMAN 138KV'	355	-0.02046	-0.06053	232
AEPW	'SOUTHWESTERN STATION 138KV'	337	-0.08099	AEPW	'LEBROCK 345KV'	515	-0.02042	-0.06057	232
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08099	AEPW	'LEBROCK 345KV'	515	-0.02042	-0.06057	232
AEPW	'SOUTHWESTERN STATION 138KV'	337	-0.08099	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02039	-0.0606	232
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08099	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02039	-0.0606	232
AEPW	'SOUTHWESTERN STATION 138KV'	337	-0.08099	AEPW	'WILKES 345KV'	143.5563	-0.02081	-0.06018	233
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08099	AEPW	'WILKES 345KV'	143.5563	-0.02081	-0.06018	233
AEPW	'SOUTHWESTERN STATION 138KV'	337	-0.08099	AEPW	'OEC 345KV'	219	-0.02278	-0.05821	241
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08099	AEPW	'OEC 345KV'	219	-0.02278	-0.05821	241
AEPW	'SOUTHWESTERN STATION 138KV'	337	-0.08099	AEPW	'WELSH 345KV'	1012	-0.0226	-0.05839	241
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08099	AEPW	'WELSH 345KV'	1012	-0.0226	-0.05839	241
AEPW	'SOUTHWESTERN STATION 138KV'	337	-0.08099	AEPW	'RIVERSIDE STATION 138KV'	250	-0.02449	-0.0565	249
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08099	AEPW	'RIVERSIDE STATION 138KV'	250	-0.02449	-0.0565	249
SPS	'NICHOLS 115KV'	107	-0.32208	SPS	'JONES 230KV'	486	-0.26592	-0.05616	250
AEPW	'SOUTHWESTERN STATION 138KV'	337	-0.08099	AEPW	'COGENTRIX 345KV'	200	-0.02575	-0.05524	254
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08099	AEPW	'COGENTRIX 345KV'	200	-0.02575	-0.05524	254
SPS	'HARRINGTON 230KV'	360	-0.33164	SPS	'MUSTANG 115KV'	300	-0.28067	-0.05097	276
WERE	'TECUMSEH ENERGY CENTER 115KV'	123	0.02651	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.07733	-0.05082	276
SPS	'HARRINGTON 230KV'	360	-0.33164	SPS	'MUSTG5 118.0 230KV'	160	-0.28147	-0.05017	280
SPS	'NICHOLS 230KV'	191.4756	-0.3304	SPS	'MUSTANG 115KV'	300	-0.28067	-0.04973	282
SPS	'HARRINGTON 230KV'	360	-0.33164	SPS	'MADOX 115KV'	118	-0.28203	-0.04961	283
SPS	'HARRINGTON 230KV'	360	-0.33164	SPS	'CUNNINGHAM 115KV'	110	-0.2821	-0.04954	284
SPS	'HARRINGTON 230KV'	360	-0.33164	SPS	'CUNNINGHAM 230KV'	306	-0.28244	-0.0492	286
SPS	'NICHOLS 230KV'	191.4756	-0.3304	SPS	'MUSTG5 118.0 230KV'	160	-0.28147	-0.04893	287
SPS	'NICHOLS 230KV'	191.4756	-0.3304	SPS	'MADOX 115KV'	118	-0.28203	-0.04837	290
SPS	'NICHOLS 230KV'	191.4756	-0.3304	SPS	'CUNNINGHAM 115KV'	110	-0.2821	-0.0483	291
SPS	'NICHOLS 230KV'	191.4756	-0.3304	SPS	'CUNNINGHAM 230KV'	306	-0.28244	-0.04796	293
WFEC	'BLUCAN14 138 138KV'	151.2	-0.0814	WFEC	'HUGO 138KV'	450	-0.03635	-0.04505	312
SPS	'HARRINGTON 230KV'	360	-0.33164	SPS	'TOLK 230KV'	1022.238	-0.28913	-0.04251	330
WERE	'TECUMSEH ENERGY CENTER 115KV'	123	0.02651	WERE	'BPU - CITY OF MCPHERSON 115KV'	127.0369	0.06835	-0.04184	336
SPS	'NICHOLS 230KV'	191.4756	-0.3304	SPS	'TOLK 230KV'	1022.238	-0.28913	-0.04127	340
SPS	'HARRINGTON 230KV'	360	-0.33164	SPS	'PLANTX 115KV'	205	-0.29122	-0.04042	348
SPS	'NICHOLS 230KV'	191.4756	-0.3304	SPS	'PLANTX 115KV'	205	-0.29122	-0.03918	359
SPS	'HARRINGTON 230KV'	360	-0.33164	SPS	'PLANTX 230KV'	189	-0.29259	-0.03905	360
WFEC	'MORLND 138KV'	320	-0.07476	WFEC	'HUGO 138KV'	450	-0.03635	-0.03841	366
SPS	'NICHOLS 230KV'	191.4756	-0.3304	SPS	'PLANTX 230KV'	189	-0.29259	-0.03781	372
OKGE	'MUSTANG 138KV'	365.5	-0.04936	OKGE	'AES 161KV'	280	-0.01722	-0.03214	437
OKGE	'SEMINOLE 138KV'	354.5783	-0.04736	OKGE	'AES 161KV'	280	-0.01722	-0.03014	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

CURRY COUNTY INTERCHANGE -
ROOSEVELT COUNTY INTERCHANGE 115KV
CKT 2 & ROOSEVELT COUNTY
INTERCHANGE 230/115KV TRANSFORMER

Upgrade: CKT 1 & Potter - Roosevelt 345KV
Limiting Facility: POTTER COUNTY INTERCHANGE (POTTR CO) 345-230-13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51442 1
Flowgate: POTTTRCO2761GEN5144214407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1040980	1.4	21.2
1087085	0.1	21.2
1090270	0.4	21.2
1090454	0.1	21.2
1090613	0.4	21.2
1090662	0.2	21.2
1090680	3.4	21.2
1090695	1.9	21.2
1090699	5.8	21.2
1090705	5.8	21.2
1090767	0.4	21.2
1090789	0.2	21.2
1090808	0.1	21.2
1103355	0.8	21.2
1103357	0.4	21.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'LATHAM1234.0 345KV'	150	0.00018	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.07544	-0.07526	281
WERE	'LATHAM1234.0 345KV'	150	0.00018	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.06784	-0.06766	313
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'FLINT CREEK 161KV'	420	-0.0147	-0.06658	318
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'FLINT CREEK 161KV'	420	-0.0147	-0.06658	318
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'FITZHUGH 161KV'	126	-0.015	-0.06628	319
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'FITZHUGH 161KV'	126	-0.015	-0.06628	319
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.01811	-0.06317	335
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.01811	-0.06317	335
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.01943	-0.06185	342
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.01943	-0.06185	342
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'KNOXLEE 138KV'	225	-0.0203	-0.06098	347
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'KNOXLEE 138KV'	225	-0.0203	-0.06098	347
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'EASTMAN 138KV'	355	-0.02044	-0.06084	348
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'EASTMAN 138KV'	355	-0.02044	-0.06084	348
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'LEBROCK 345KV'	515	-0.0204	-0.06088	348
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'LEBROCK 345KV'	515	-0.0204	-0.06088	348
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'PIRKEY GENERATION 138KV'	475	-0.02036	-0.06092	348
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'PIRKEY GENERATION 138KV'	475	-0.02036	-0.06092	348
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'WILKES 345KV'	311	-0.02077	-0.06051	350
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'WILKES 345KV'	311	-0.02077	-0.06051	350

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'WILKES 138KV'	319.9135	-0.02108	-0.0602	352
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'WILKES 138KV'	319.9135	-0.02108	-0.0602	352
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'OEC 345KV'	219	-0.02253	-0.05875	360
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'OEC 345KV'	219	-0.02253	-0.05875	360
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'WELSH 345KV'	990	-0.02257	-0.05871	361
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'WELSH 345KV'	990	-0.02257	-0.05871	361
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'TULSA POWER STATION 138KV'	124	-0.02407	-0.05721	370
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'TULSA POWER STATION 138KV'	124	-0.02407	-0.05721	370
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'RIVERSIDE STATION 138KV'	646	-0.02464	-0.05664	374
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'RIVERSIDE STATION 138KV'	646	-0.02464	-0.05664	374
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.08128	AEPW	'COGENTRIX 345KV'	200	-0.02474	-0.05654	375
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.08128	AEPW	'COGENTRIX 345KV'	200	-0.02474	-0.05654	375

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

	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER
Upgrade:	CKT 1 & Potter - Roosevelt 345KV
Limiting Facility:	POTTER COUNTY INTERCHANGE (POTTR CO) 345-230-13.2KV TRANSFORMER CKT 1
Direction:	From->To
Line Outage:	GEN:51442 1
Flowgate:	POTTTRCO2761GEN5144214408SP
Date Redispatch Needed:	Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified:	2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1040980	2.0	33.6
1087085	0.1	33.6
1089950	0.5	33.6
1090244	0.1	33.6
1090245	0.3	33.6
1090270	0.6	33.6
1090454	0.1	33.6
1090613	1.0	33.6
1090662	0.3	33.6
1090680	4.8	33.6
1090695	2.6	33.6
1090699	8.1	33.6
1090705	8.1	33.6
1090729	0.2	33.6
1090767	0.6	33.6
1090789	0.4	33.6
1090808	0.1	33.6
1090958	0.1	33.6
1091026	0.2	33.6
1091027	0.2	33.6
1091028	0.1	33.6
1091032	0.3	33.6
1091034	0.1	33.6
1091035	0.1	33.6
1091036	0.1	33.6
1091041	0.1	33.6
1091043	0.1	33.6
1091044	0.1	33.6
1091045	0.1	33.6
1091066	0.7	33.6
1103355	1.1	33.6
1103357	0.6	33.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIDW	'LYONS 115KV'	999	-0.00286	MIDW	'KNOLL 3 115 115KV'	117	0.10651	-0.10937	307
WERE	'EVANS ENERGY CENTER 138KV'	197	0.00131	WERE	'HUTCHINSON ENERGY CENTER 115KV'	191.4863	0.07606	-0.07475	450
AEPW	'SOUTHWESTERN STATION 138KV'	173	-0.08104	AEPW	'FLINT CREEK 161KV'	428	-0.01471	-0.06633	507

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

Upgrade:	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1
Limiting Facility:	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1
Direction:	From->To
Line Outage:	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1
Flowgate:	57236572771572715727711107SP
Date Redispatch Needed:	6/1/07 - 10/1/07
Season Flowgate Identified:	2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090729	0.9	1.2
1090808	0.2	1.2
1090823	0.1	1.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CHANUTE 69KV'	31.077	0.00048	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.10248	12
WERE	'CITY OF ERIE 69KV'	4.255999	0.00048	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.10248	12
WERE	'CITY OF FREDONIA 69KV'	5.069	0.0013	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.10166	12
WERE	'CITY OF GIRARD 69KV'	5.911	-0.00003	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.10299	12
WERE	'CITY OF IOLA 69KV'	13.361	-0.00017	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.10313	12
WERE	'CITY OF MULVANE 69KV'	7.502	0.00563	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.09733	12
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00125	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.10171	12
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.00472	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.09824	12
WERE	'EVANS ENERGY CENTER 138KV'	8	0.00653	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.09643	12
WERE	'GETTY 69KV'	35	0.00525	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.09771	12
WERE	'GILL ENERGY CENTER 69KV'	8	0.006	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.09696	12
WERE	'LATHAM1234.0 345KV'	150	0.00368	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.09928	12
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00077	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.10219	12
WERE	'BROWN COUNTY 115KV'	5.5	0.01127	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.09169	13
WERE	'SOUTH SENECA 115KV'	8.2	0.01206	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.0909	13
WERE	'ST JOHN 115KV'	7.5	0.01407	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.08889	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	15.93311	0.01879	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.08417	14
WERE	'HOLTON 115KV'	7.6	0.01839	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.08457	14

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.01797	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.08499	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.01796	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.085	14
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.01969	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.08327	14
WERE	'SMOKYHIL 230 230KV'	72	0.01847	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.08449	14
WERE	'ABILENE ENERGY CENTER 115KV'	5.999996	0.0221	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.08086	15
WERE	'CHANUTE 69KV'	31.077	0.00048	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.07711	15
WERE	'CITY OF GIRARD 69KV'	5.911	-0.00003	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.07762	15
WERE	'CITY OF IOLA 69KV'	13.361	-0.00017	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.07776	15
WERE	'CLAY CENTER JUNCTION 115KV'	9.225	0.02333	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.07963	15
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.02219	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.08077	15
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.029	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.07396	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.00472	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.07287	16
WERE	'GETTY 69KV'	35	0.00525	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.07234	16
WERE	'LATHAM1234.0 345KV'	150	0.00368	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.07391	16
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00077	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.07682	16
WERE	'CITY OF MULVANE 69KV'	7.502	0.00563	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.07196	17
WERE	'EVANS ENERGY CENTER 138KV'	8	0.00653	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.07106	17
WERE	'GILL ENERGY CENTER 69KV'	8	0.006	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.07159	17
WERE	'SOUTH SENECA 115KV'	8.2	0.01206	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.06553	18
WERE	'ST JOHN 115KV'	7.5	0.01407	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.06352	19
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.03953	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.10296	-0.06343	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	15.93311	0.01879	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.0588	20
WERE	'HOLTON 115KV'	7.6	0.01839	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.0592	20
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.01797	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.05962	20
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.01796	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.05963	20
WERE	'SMOKYHIL 230 230KV'	72	0.01847	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.05912	20
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.01969	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.0579	21
WERE	'CLAY CENTER JUNCTION 115KV'	9.225	0.02333	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.05426	22
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.02219	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.0554	22
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.029	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.04859	25
WERE	'CHANUTE 69KV'	31.077	0.00048	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.04111	-0.04063	29
WERE	'CITY OF IOLA 69KV'	13.361	-0.00017	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.04111	-0.04128	29
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00077	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.04111	-0.04034	30
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.03953	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07759	-0.03806	31
WERE	'LATHAM1234.0 345KV'	150	0.00368	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.04111	-0.03743	32
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.00472	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.04111	-0.03639	33
WERE	'GETTY 69KV'	35	0.00525	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.04111	-0.03586	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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 WFEC & OKGE
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: DEWEY - IODINE 138KV CKT 1
Flowgate: 557855599915478754796144O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	0.4	0.4
1086238	0.4	0.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	78.99999	0.00003	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97305	0
OKGE	'AES 161KV'	78.99999	0.00003	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97305	0
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	0
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	0
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	0
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	0
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	0
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	0
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97287	0
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97287	0
OKGE	'MCCLAIN 138KV'	42	0.00035	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97273	0
OKGE	'MCCLAIN 138KV'	42	0.00035	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97273	0
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97305	0
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97305	0
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97305	0
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97305	0
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97304	0
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97304	0
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97273	0
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97273	0
OKGE	'MUSTANG 69KV'	106	0.00039	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97269	0
OKGE	'MUSTANG 69KV'	106	0.00039	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97269	0
OKGE	'ONE OAK 345KV'	334	0.00012	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97296	0
OKGE	'ONE OAK 345KV'	334	0.00012	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97296	0
OKGE	'REDBUD 345KV'	870	0.00014	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97294	0
OKGE	'REDBUD 345KV'	870	0.00014	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97294	0
OKGE	'REDBUD 345KV'	300	0.00014	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97294	0
OKGE	'REDBUD 345KV'	300	0.00014	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97294	0
OKGE	'SEMINOLE 138KV'	320.4242	0.00018	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9729	0
OKGE	'SEMINOLE 138KV'	320.4242	0.00018	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9729	0
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9729	0
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9729	0
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97339	0
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97339	0
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9747	0
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9747	0
OKGE	'TINKER 5G 138KV'	62	0.00023	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97285	0
OKGE	'TINKER 5G 138KV'	62	0.00023	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97285	0
OKGE	'AES 161KV'	78.99999	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1
OKGE	'AES 161KV'	78.99999	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	1
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	1
OKGE	'MCCLAIN 138KV'	42	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	1
OKGE	'MCCLAIN 138KV'	42	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	1
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	1
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	1
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	1
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	1
OKGE	'MUSTANG 69KV'	106	0.00039	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81219	1
OKGE	'MUSTANG 69KV'	106	0.00039	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81219	1
OKGE	'ONE OAK 345KV'	334	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	1
OKGE	'ONE OAK 345KV'	334	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	1
OKGE	'REDBUD 345KV'	870	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	1
OKGE	'REDBUD 345KV'	870	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	1
OKGE	'REDBUD 345KV'	300	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	1
OKGE	'REDBUD 345KV'	300	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	1
OKGE	'SEMINOLE 138KV'	320.4242	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	1
OKGE	'SEMINOLE 138KV'	320.4242	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	1
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	1
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	1
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	1
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	1
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	1
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	1
OKGE	'TINKER 5G 138KV'	62	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81235	1
OKGE	'TINKER 5G 138KV'	62	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81235	1
OKGE	'WOODWARD 24KV'	9.3	0.81258	OKGE	'FPLWND2 34KV'	102	0.97308	-0.1605	3
OKGE	'WOODWARD 24KV'	9.3	0.81258	OKGE	'FPLWND2 34KV'	102	0.97308	-0.1605	3
WFEC	'MORLND 138KV'	148.952	-0.02454	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.07792	5
WFEC	'MORLND 138KV'	148.952	-0.02454	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.07792	5
WFEC	'ANADARKO 138KV'	90	0.00024	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.05314	8
WFEC	'ANADARKO 138KV'	90	0.00024	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.05314	8
WFEC	'ANADARKO 69KV'	76	0.00046	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.05292	8
WFEC	'ANADARKO 69KV'	76	0.00046	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.05292	8
WFEC	'BLUCAN14 138 138KV'	151.2	0.00019	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.05319	8
WFEC	'BLUCAN14 138 138KV'	151.2	0.00019	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.05319	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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 WFEC & OKGE
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: IODINE - WOODWARD 138KV CKT 1
Flowgate: 557855599915479654785144O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	0.4	0.4
1086238	0.4	0.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	78.99999	0.00003	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97305	0
OKGE	'AES 161KV'	78.99999	0.00003	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97305	0
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	0
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	0
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	0
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	0
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	0
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	0
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97287	0
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97287	0
OKGE	'MCCLAIN 138KV'	42	0.00035	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97273	0
OKGE	'MCCLAIN 138KV'	42	0.00035	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97273	0
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97305	0
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97305	0
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97305	0
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97305	0
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97304	0
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97304	0
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97273	0
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97273	0
OKGE	'MUSTANG 69KV'	106	0.00039	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97269	0
OKGE	'MUSTANG 69KV'	106	0.00039	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97269	0
OKGE	'ONE OAK 345KV'	334	0.00012	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97296	0
OKGE	'ONE OAK 345KV'	334	0.00012	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97296	0
OKGE	'REDBUD 345KV'	870	0.00014	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97294	0
OKGE	'REDBUD 345KV'	870	0.00014	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97294	0
OKGE	'REDBUD 345KV'	300	0.00014	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97294	0
OKGE	'REDBUD 345KV'	300	0.00014	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97294	0
OKGE	'SEMINOLE 138KV'	320.4242	0.00018	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9729	0
OKGE	'SEMINOLE 138KV'	320.4242	0.00018	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9729	0
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9729	0
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9729	0
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97339	0
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97339	0
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9747	0
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9747	0
OKGE	'TINKER 5G 138KV'	62	0.00023	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97285	0
OKGE	'TINKER 5G 138KV'	62	0.00023	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97285	0
OKGE	'AES 161KV'	78.99999	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1
OKGE	'AES 161KV'	78.99999	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	1
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	1
OKGE	'MCCLAIN 138KV'	42	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	1
OKGE	'MCCLAIN 138KV'	42	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	1
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	1
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	1
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	1
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	1
OKGE	'MUSTANG 69KV'	106	0.00039	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81219	1
OKGE	'MUSTANG 69KV'	106	0.00039	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81219	1
OKGE	'ONE OAK 345KV'	334	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	1
OKGE	'ONE OAK 345KV'	334	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	1
OKGE	'REDBUD 345KV'	870	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	1
OKGE	'REDBUD 345KV'	870	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	1
OKGE	'REDBUD 345KV'	300	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	1
OKGE	'REDBUD 345KV'	300	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	1
OKGE	'SEMINOLE 138KV'	320.4242	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	1
OKGE	'SEMINOLE 138KV'	320.4242	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	1
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	1
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	1
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	1
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	1
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	1
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	1
OKGE	'TINKER 5G 138KV'	62	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81235	1
OKGE	'TINKER 5G 138KV'	62	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81235	1
OKGE	'WOODWARD 24KV'	9.3	0.81258	OKGE	'FPLWND2 34KV'	102	0.97308	-0.1605	3
OKGE	'WOODWARD 24KV'	9.3	0.81258	OKGE	'FPLWND2 34KV'	102	0.97308	-0.1605	3
WFEC	'MORLND 138KV'	148.952	-0.02454	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.07792	5
WFEC	'MORLND 138KV'	148.952	-0.02454	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.07792	5
WFEC	'ANADARKO 138KV'	90	0.00024	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.05314	8
WFEC	'ANADARKO 138KV'	90	0.00024	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.05314	8
WFEC	'ANADARKO 69KV'	76	0.00046	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.05292	8
WFEC	'ANADARKO 69KV'	76	0.00046	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.05292	8
WFEC	'BLUCAN14 138 138KV'	151.2	0.00019	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.05319	8
WFEC	'BLUCAN14 138 138KV'	151.2	0.00019	WFEC	'SLEEPING BEAR 138KV'	96	0.05338	-0.05319	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

Upgrade: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FT SUPPLY - IODINE 138KV CKT 1
Flowgate: 559195592015592055957111O7FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	8.0	8.0
1086238	8.0	8.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	39.77038	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 138KV'	39.77038	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'BLUCAN14 138 138KV'	151.2	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'BLUCAN14 138 138KV'	151.2	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-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

Upgrade: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FT SUPPLY - IODINE 138KV CKT 1
Flowgate: 559195592015592055957114O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1086238	8.0	8.0
1086238	8.0	8.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	3.104965	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 138KV'	3.104965	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'BLUCAN14 138 138KV'	151.2	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'BLUCAN14 138 138KV'	151.2	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'MORLND 138KV'	174.1555	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'MORLND 138KV'	174.1555	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-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

Upgrade: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FT SUPPLY - IODINE 138KV CKT 1
Flowgate: 559195592015592055957114O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	8.0	8.0
1086238	8.0	8.0

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'BLUCAN14 138 138KV'	151.2	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'BLUCAN14 138 138KV'	151.2	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'MORLND 138KV'	148.952	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'MORLND 138KV'	148.952	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-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

Upgrade: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FT SUPPLY - IODINE 138KV CKT 1
Flowgate: 559195592015592055957144O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	8.0	8.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'BLUCAN14 138 138KV'	151.2	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'MORLND 138KV'	39.51605	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-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

Upgrade: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: IODINE - MOORELAND 138KV CKT 1
Flowgate: 559195592015595755999111O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	8.0	8.0
1086238	8.0	8.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'BLUCAN14 138 138KV'	151.2	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'BLUCAN14 138 138KV'	151.2	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'MORLND 138KV'	25.26624	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'MORLND 138KV'	25.26624	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-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

Upgrade: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: IODINE - MOORELAND 138KV CKT 1
Flowgate: 559195592015595755999114O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1086238	8.0	8.0
1086238	8.0	8.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	3.104965	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 138KV'	3.104965	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'BLUCAN14 138 138KV'	151.2	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'BLUCAN14 138 138KV'	151.2	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'MORLND 138KV'	174.1555	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'MORLND 138KV'	174.1555	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-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

Upgrade: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: IODINE - MOORELAND 138KV CKT 1
Flowgate: 559195592015595755999114O7FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	8.0	8.0

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

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WFEC	'ANADARKO 138KV'	42.90496	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'BLUCAN14 138 138KV'	151.2	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-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

Upgrade: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138-69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: IODINE - MOORELAND 138KV CKT 1
Flowgate: 559195592015595755999914107WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	8.0	8.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'BLUCAN14 138 138KV'	151.2	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-1	8
WFEC	'MORLND 138KV'	133.0715	0	WFEC	'SLEEPING BEAR 138KV'	96	1	-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

Upgrade: GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1
Limiting Facility: GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1
Direction: From->To
Line Outage: GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1
Flowgate: 5779557798157795578131110 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090612	0.5	7.3
1090808	0.4	7.3
1090817	2.1	7.3
1090823	0.2	7.3
1090825	0.4	7.3
1090964	2.9	7.3
1090965	0.8	7.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CHANUTE 69KV'	31.077	-0.00115	WERE	'GILL ENERGY CENTER 69KV'	75	0.23276	-0.23391	31
WERE	'CITY OF IOLA 69KV'	13.361	-0.00105	WERE	'GILL ENERGY CENTER 69KV'	75	0.23276	-0.23381	31
WERE	'GETTY 69KV'	35	-0.00429	WERE	'GILL ENERGY CENTER 69KV'	75	0.23276	-0.23705	31
WERE	'JEFFREY ENERGY CENTER 230KV'	24	-0.00001	WERE	'GILL ENERGY CENTER 69KV'	75	0.23276	-0.23277	31
WERE	'JEFFREY ENERGY CENTER 345KV'	42	-0.00002	WERE	'GILL ENERGY CENTER 69KV'	75	0.23276	-0.23278	31
WERE	'LATHAM1234.0 345KV'	150	-0.00298	WERE	'GILL ENERGY CENTER 69KV'	75	0.23276	-0.23574	31
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.00042	WERE	'GILL ENERGY CENTER 69KV'	75	0.23276	-0.23318	31
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00104	WERE	'GILL ENERGY CENTER 69KV'	75	0.23276	-0.2338	31
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00029	WERE	'GILL ENERGY CENTER 69KV'	75	0.23276	-0.23305	31
WERE	'BPU - CITY OF MCPHERSON 115KV'	15.93311	0.00281	WERE	'GILL ENERGY CENTER 69KV'	75	0.23276	-0.22995	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00376	WERE	'GILL ENERGY CENTER 69KV'	75	0.23276	-0.229	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.00376	WERE	'GILL ENERGY CENTER 69KV'	75	0.23276	-0.229	32
WERE	'SMOKYHIL 230 230KV'	72	0.00242	WERE	'GILL ENERGY CENTER 69KV'	75	0.23276	-0.23034	32
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.02492	WERE	'GILL ENERGY CENTER 69KV'	75	0.23276	-0.20784	35
WERE	'GETTY 69KV'	35	-0.00429	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11094	-0.11523	64
WERE	'LATHAM1234.0 345KV'	150	-0.00298	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11094	-0.11392	64
WERE	'CHANUTE 69KV'	31.077	-0.00115	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11094	-0.11209	65
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00104	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11094	-0.11198	65
WERE	'JEFFREY ENERGY CENTER 230KV'	24	-0.00001	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11094	-0.11095	66
WERE	'JEFFREY ENERGY CENTER 345KV'	42	-0.00002	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11094	-0.11096	66
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.00042	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11094	-0.11136	66
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00029	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11094	-0.11123	66
WERE	'SMOKYHIL 230 230KV'	72	0.00242	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11094	-0.10852	67
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00376	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11094	-0.10718	68
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.02492	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11094	-0.08602	85
WERE	'GETTY 69KV'	35	-0.00429	WERE	'GILL ENERGY CENTER 138KV'	171	0.07579	-0.08008	91
WERE	'LATHAM1234.0 345KV'	150	-0.00298	WERE	'GILL ENERGY CENTER 138KV'	171	0.07579	-0.07877	93
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00104	WERE	'GILL ENERGY CENTER 138KV'	171	0.07579	-0.07683	95
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.00042	WERE	'GILL ENERGY CENTER 138KV'	171	0.07579	-0.07621	96
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00029	WERE	'GILL ENERGY CENTER 138KV'	171	0.07579	-0.07608	96
WERE	'JEFFREY ENERGY CENTER 345KV'	42	-0.00002	WERE	'GILL ENERGY CENTER 138KV'	171	0.07579	-0.07581	97
WERE	'SMOKYHIL 230 230KV'	72	0.00242	WERE	'GILL ENERGY CENTER 138KV'	171	0.07579	-0.07337	100
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00376	WERE	'GILL ENERGY CENTER 138KV'	171	0.07579	-0.07203	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

Upgrade: GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1
Limiting Facility: GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1
Direction: From->To
Line Outage: HOOVER NORTH (HOOVER1X) 138-69-13.2KV TRANSFORMER CKT 1
Flowgate: 57795577981HOOVOVER1X4211107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090612	0.4	5.0
1090808	0.2	5.0
1090817	1.4	5.0
1090823	0.1	5.0
1090825	0.3	5.0
1090964	2.0	5.0
1090965	0.6	5.0

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CHANUTE 69KV'	31.077	-0.00115	WERE	'GILL ENERGY CENTER 69KV'	75	0.15877	-0.15992	31
WERE	'CITY OF IOLA 69KV'	13.361	-0.00102	WERE	'GILL ENERGY CENTER 69KV'	75	0.15877	-0.15979	31
WERE	'GETTY 69KV'	35	-0.00454	WERE	'GILL ENERGY CENTER 69KV'	75	0.15877	-0.16331	31
WERE	'LATHAM1234.0 345KV'	150	-0.00278	WERE	'GILL ENERGY CENTER 69KV'	75	0.15877	-0.16155	31
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.001	WERE	'GILL ENERGY CENTER 69KV'	75	0.15877	-0.15977	31
WERE	'BPU - CITY OF MCPHERSON 115KV'	15.93311	0.00237	WERE	'GILL ENERGY CENTER 69KV'	75	0.15877	-0.1564	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00309	WERE	'GILL ENERGY CENTER 69KV'	75	0.15877	-0.15568	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.0031	WERE	'GILL ENERGY CENTER 69KV'	75	0.15877	-0.15567	32
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00024	WERE	'GILL ENERGY CENTER 69KV'	75	0.15877	-0.15853	32
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00023	WERE	'GILL ENERGY CENTER 69KV'	75	0.15877	-0.15854	32
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.0001	WERE	'GILL ENERGY CENTER 69KV'	75	0.15877	-0.15887	32
WERE	'SMOKYHIL 230 230KV'	72	0.00207	WERE	'GILL ENERGY CENTER 69KV'	75	0.15877	-0.1567	32
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00002	WERE	'GILL ENERGY CENTER 69KV'	75	0.15877	-0.15875	32
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.01598	WERE	'GILL ENERGY CENTER 69KV'	75	0.15877	-0.14279	35
WERE	'GETTY 69KV'	35	-0.00454	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07514	-0.07968	63
WERE	'LATHAM1234.0 345KV'	150	-0.00278	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07514	-0.07792	64
WERE	'CHANUTE 69KV'	31.077	-0.00115	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07514	-0.07629	66
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.001	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07514	-0.07614	66
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00024	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07514	-0.0749	67
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00023	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07514	-0.07491	67
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.0001	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07514	-0.07524	67
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00002	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07514	-0.07512	67
WERE	'SMOKYHIL 230 230KV'	72	0.00207	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07514	-0.07307	69
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00309	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07514	-0.07205	70
WERE	'GETTY 69KV'	35	-0.00454	WERE	'GILL ENERGY CENTER 138KV'	171	0.05751	-0.06205	81
WERE	'LATHAM1234.0 345KV'	150	-0.00278	WERE	'GILL ENERGY CENTER 138KV'	171	0.05751	-0.06029	83
WERE	'CHANUTE 69KV'	31.077	-0.00115	WERE	'GILL ENERGY CENTER 138KV'	171	0.05751	-0.05866	85
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.01598	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07514	-0.05916	85
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.001	WERE	'GILL ENERGY CENTER 138KV'	171	0.05751	-0.05851	86
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00023	WERE	'GILL ENERGY CENTER 138KV'	171	0.05751	-0.05728	87
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.0001	WERE	'GILL ENERGY CENTER 138KV'	171	0.05751	-0.05761	87
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00002	WERE	'GILL ENERGY CENTER 138KV'	171	0.05751	-0.05749	87
WERE	'SMOKYHIL 230 230KV'	72	0.00207	WERE	'GILL ENERGY CENTER 138KV'	171	0.05751	-0.05544	90
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00309	WERE	'GILL ENERGY CENTER 138KV'	171	0.05751	-0.05442	92

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

Upgrade: GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1
Limiting Facility: GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1
Direction: From->To
Line Outage: SPP-WERE-36
Flowgate: 57795577981SPP-WERE-361107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090612	0.6	5.6
1090808	0.3	5.6
1090817	1.5	5.6
1090823	0.1	5.6
1090825	0.3	5.6
1090964	2.1	5.6
1090965	0.6	5.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'GETTY 69KV'	35	-0.00293	WERE	'GILL ENERGY CENTER 69KV'	75	0.17535	-0.17828	31
WERE	'BPU - CITY OF MCPHERSON 115KV'	15.93311	0.00308	WERE	'GILL ENERGY CENTER 69KV'	75	0.17535	-0.17227	32
WERE	'CHANUTE 69KV'	31.077	-0.00087	WERE	'GILL ENERGY CENTER 69KV'	75	0.17535	-0.17622	32
WERE	'CITY OF IOLA 69KV'	13.361	-0.00081	WERE	'GILL ENERGY CENTER 69KV'	75	0.17535	-0.17616	32
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00001	WERE	'GILL ENERGY CENTER 69KV'	75	0.17535	-0.17534	32
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0	WERE	'GILL ENERGY CENTER 69KV'	75	0.17535	-0.17535	32
WERE	'LATHAM1234.0 345KV'	150	-0.00228	WERE	'GILL ENERGY CENTER 69KV'	75	0.17535	-0.17763	32
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.00041	WERE	'GILL ENERGY CENTER 69KV'	75	0.17535	-0.17576	32
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00081	WERE	'GILL ENERGY CENTER 69KV'	75	0.17535	-0.17616	32
WERE	'SMOKYHIL 230 230KV'	72	0.00265	WERE	'GILL ENERGY CENTER 69KV'	75	0.17535	-0.1727	32
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00028	WERE	'GILL ENERGY CENTER 69KV'	75	0.17535	-0.17563	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00412	WERE	'GILL ENERGY CENTER 69KV'	75	0.17535	-0.17123	33
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.00413	WERE	'GILL ENERGY CENTER 69KV'	75	0.17535	-0.17122	33
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.02086	WERE	'GILL ENERGY CENTER 69KV'	75	0.17535	-0.15449	36
WERE	'GETTY 69KV'	35	-0.00293	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.08491	-0.08784	64
WERE	'LATHAM1234.0 345KV'	150	-0.00228	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.08491	-0.08719	64
WERE	'CHANUTE 69KV'	31.077	-0.00087	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.08491	-0.08578	65
WERE	'GETTY 69KV'	35	-0.00293	WERE	'GILL ENERGY CENTER 138KV'	171	0.08372	-0.08665	65
WERE	'LATHAM1234.0 345KV'	150	-0.00228	WERE	'GILL ENERGY CENTER 138KV'	171	0.08372	-0.086	65
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00081	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.08491	-0.08572	65
WERE	'CHANUTE 69KV'	31.077	-0.00087	WERE	'GILL ENERGY CENTER 138KV'	171	0.08372	-0.08459	66
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00001	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.08491	-0.0849	66
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.08491	-0.08491	66
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.00041	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.08491	-0.08532	66
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00081	WERE	'GILL ENERGY CENTER 138KV'	171	0.08372	-0.08453	66
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00028	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.08491	-0.08519	66
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00001	WERE	'GILL ENERGY CENTER 138KV'	171	0.08372	-0.08371	67
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0	WERE	'GILL ENERGY CENTER 138KV'	171	0.08372	-0.08372	67
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.00041	WERE	'GILL ENERGY CENTER 138KV'	171	0.08372	-0.08413	67
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00028	WERE	'GILL ENERGY CENTER 138KV'	171	0.08372	-0.084	67
WERE	'SMOKYHIL 230 230KV'	72	0.00265	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.08491	-0.08226	68
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00412	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.08491	-0.08079	69
WERE	'SMOKYHIL 230 230KV'	72	0.00265	WERE	'GILL ENERGY CENTER 138KV'	171	0.08372	-0.08107	69
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00412	WERE	'GILL ENERGY CENTER 138KV'	171	0.08372	-0.0796	70
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.02086	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.08491	-0.06405	87

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

Upgrade: GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1
Limiting Facility: GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1
Direction: From->To
Line Outage: GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1
Flowgate: 57795578131577955779811107SP
Date Redispatch Needed: 6/1/07 - 10/1/07

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090612	0.4	6.3
1090808	0.3	6.3
1090817	1.8	6.3
1090823	0.2	6.3
1090825	0.4	6.3
1090964	2.5	6.3
1090965	0.7	6.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08355	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.28339	22
WERE	'CHANUTE 69KV'	31.077	-0.00107	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.20091	31
WERE	'CITY OF IOLA 69KV'	13.361	-0.00097	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.20081	31
WERE	'GETTY 69KV'	35	-0.00407	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.20391	31
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00006	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.19978	31
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00005	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.19979	31
WERE	'LATHAM1234.0 345KV'	150	-0.00272	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.20256	31
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.0003	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.20014	31
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00095	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.20079	31
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00018	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.20002	31
WERE	'BPU - CITY OF MCPHERSON 115KV'	15.93311	0.00251	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.19733	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00334	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.1965	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.00335	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.19649	32
WERE	'SMOKYHIL 230 230KV'	72	0.00217	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.19767	32
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.02085	WERE	'GILL ENERGY CENTER 69KV'	75	0.19984	-0.17899	35
WERE	'GETTY 69KV'	35	-0.00407	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09494	-0.09901	64
WERE	'LATHAM1234.0 345KV'	150	-0.00272	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09494	-0.09766	64
WERE	'CHANUTE 69KV'	31.077	-0.00107	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09494	-0.09601	66
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00006	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09494	-0.09488	66
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00005	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09494	-0.09489	66
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.0003	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09494	-0.09524	66
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00095	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09494	-0.09589	66
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00018	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09494	-0.09512	66
WERE	'SMOKYHIL 230 230KV'	72	0.00217	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09494	-0.09277	68
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00334	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09494	-0.0916	69
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.02085	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09494	-0.07409	85
WERE	'GETTY 69KV'	35	-0.00407	WERE	'GILL ENERGY CENTER 138KV'	171	0.066	-0.07007	90
WERE	'LATHAM1234.0 345KV'	150	-0.00272	WERE	'GILL ENERGY CENTER 138KV'	171	0.066	-0.06872	92
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00095	WERE	'GILL ENERGY CENTER 138KV'	171	0.066	-0.06695	94
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00005	WERE	'GILL ENERGY CENTER 138KV'	171	0.066	-0.06595	95
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.0003	WERE	'GILL ENERGY CENTER 138KV'	171	0.066	-0.0663	95
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00018	WERE	'GILL ENERGY CENTER 138KV'	171	0.066	-0.06618	95
WERE	'SMOKYHIL 230 230KV'	72	0.00217	WERE	'GILL ENERGY CENTER 138KV'	171	0.066	-0.06383	99
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00334	WERE	'GILL ENERGY CENTER 138KV'	171	0.066	-0.06266	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

Upgrade: GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1
Limiting Facility: GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1
Direction: From->To
Line Outage: GILLJCT269.0 - OATVILLE 69KV CKT 1
Flowgate: 5779557813157798578251110 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090612	0.4	4.9
1090808	0.2	4.9
1090817	1.4	4.9
1090823	0.1	4.9
1090825	0.3	4.9
1090964	1.9	4.9
1090965	0.6	4.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09766	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.25206	19
WERE	'CHANUTE 69KV'	31.077	-0.00102	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.15542	31
WERE	'CITY OF IOLA 69KV'	13.361	-0.00091	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.15531	31
WERE	'GETTY 69KV'	35	-0.00405	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.15845	31
WERE	'LATHAM1234.0 345KV'	150	-0.00246	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.15686	31
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.0001	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.1545	31
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00089	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.15529	31
WERE	'BPU - CITY OF MCPHERSON 115KV'	15.93311	0.00218	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.15222	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00284	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.15156	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.00285	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.15155	32
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00021	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.15419	32
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00021	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.15419	32
WERE	'SMOKYHIL 230 230KV'	72	0.0019	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.1525	32
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00001	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.15439	32
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.01485	WERE	'GILL ENERGY CENTER 69KV'	75	0.1544	-0.13955	35
WERE	'GETTY 69KV'	35	-0.00405	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07262	-0.07667	63
WERE	'LATHAM1234.0 345KV'	150	-0.00246	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07262	-0.07508	65
WERE	'CHANUTE 69KV'	31.077	-0.00102	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07262	-0.07364	66
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00089	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07262	-0.07351	66
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00021	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07262	-0.07241	67
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00021	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07262	-0.07241	67
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.0001	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07262	-0.07272	67
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00001	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07262	-0.07261	67
WERE	'SMOKYHIL 230 230KV'	72	0.0019	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07262	-0.07072	69
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00284	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07262	-0.06978	70
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.01485	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07262	-0.05777	84
WERE	'GETTY 69KV'	35	-0.00405	WERE	'GILL ENERGY CENTER 138KV'	171	0.05317	-0.05722	85
WERE	'LATHAM1234.0 345KV'	150	-0.00246	WERE	'GILL ENERGY CENTER 138KV'	171	0.05317	-0.05563	87
WERE	'CHANUTE 69KV'	31.077	-0.00102	WERE	'GILL ENERGY CENTER 138KV'	171	0.05317	-0.05419	90
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00089	WERE	'GILL ENERGY CENTER 138KV'	171	0.05317	-0.05406	90
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.13602	-0.0001	WERE	'GILL ENERGY CENTER 138KV'	171	0.05317	-0.05327	91
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00021	WERE	'GILL ENERGY CENTER 138KV'	171	0.05317	-0.05296	92
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00001	WERE	'GILL ENERGY CENTER 138KV'	171	0.05317	-0.05316	92
WERE	'SMOKYHIL 230 230KV'	72	0.0019	WERE	'GILL ENERGY CENTER 138KV'	171	0.05317	-0.05127	95
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00284	WERE	'GILL ENERGY CENTER 138KV'	171	0.05317	-0.05033	97

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

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

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: 5779657830157039570421140 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.5	2.9
1090609	1.1	2.9
1090609	0.3	2.9
1090609	1.0	2.9
1090609	0.5	2.9
1090609	1.1	2.9
1090609	0.3	2.9
1090609	1.0	2.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'GILL ENERGY CENTER 69KV'	75	0.04634	-0.53598	5
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00595	-0.49559	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.00596	-0.4956	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'BROWN COUNTY 115KV'	3.3	0.00528	-0.49492	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'CHANUTE 69KV'	55.637	0.00233	-0.49197	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.00209	-0.49173	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.00879	-0.49843	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'CITY OF ERIE 69KV'	22.378	0.00233	-0.49197	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'CITY OF FREDONIA 69KV'	5.225	0.0023	-0.49194	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'CITY OF GIRARD 69KV'	4.592	0.0017	-0.49134	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'CITY OF IOLA 69KV'	24.471	0.00236	-0.492	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'CITY OF MULVANE 69KV'	8.29	0.02429	-0.51393	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'CITY OF OSAGE CITY 115KV'	6.45	0.00636	-0.496	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.00597	-0.49561	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.00879	-0.49843	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'EVANS ENERGY CENTER 138KV'	565	0.01685	-0.50649	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'GILL ENERGY CENTER 138KV'	171	0.029	-0.51864	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'HOLTON 115KV'	12.2	0.00544	-0.49508	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.00607	-0.49571	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.00607	-0.49571	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0058	-0.49544	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00579	-0.49543	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'LATHAM1234.0 345KV'	100	0.0092	-0.49884	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00547	-0.49511	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'LAWRENCE ENERGY CENTER 230KV'	234.5897	0.0056	-0.49524	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'NEOSHO ENERGY CENTER 138KV'	8.821289	0.00214	-0.49178	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'SOUTH SENECA 115KV'	8.5	0.00531	-0.49495	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'ST JOHN 115KV'	2.9	0.00804	-0.49768	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00576	-0.4954	6
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48964	WERE	'WACO 138KV'	17.967	0.02776	-0.5174	6
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'GILL ENERGY CENTER 69KV'	75	0.04634	-0.19629	15
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'GILL ENERGY CENTER 138KV'	171	0.029	-0.17895	16
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'CITY OF MULVANE 69KV'	8.29	0.02429	-0.17424	17
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'WACO 138KV'	17.967	0.02776	-0.17771	17
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'EVANS ENERGY CENTER 138KV'	565	0.01685	-0.1668	18
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00595	-0.1559	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.00596	-0.15591	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'CHANUTE 69KV'	55.637	0.00233	-0.15228	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.00209	-0.15204	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.00879	-0.15874	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'CITY OF ERIE 69KV'	22.378	0.00233	-0.15228	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'CITY OF IOLA 69KV'	24.471	0.00236	-0.15231	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'CITY OF OSAGE CITY 115KV'	6.45	0.00636	-0.15631	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.00597	-0.15592	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.00879	-0.15874	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'HOLTON 115KV'	12.2	0.00544	-0.15539	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.00607	-0.15602	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.00607	-0.15602	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0058	-0.15575	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00579	-0.15574	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'LATHAM1234.0 345KV'	100	0.0092	-0.15915	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00547	-0.15542	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'LAWRENCE ENERGY CENTER 230KV'	234.5897	0.0056	-0.15555	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'NEOSHO ENERGY CENTER 138KV'	8.821289	0.00214	-0.15209	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'SOUTH SENECA 115KV'	8.5	0.00531	-0.15526	19
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.14995	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00576	-0.15571	19
WERE	'CHANUTE 69KV'	32.163	0.00233	WERE	'GILL ENERGY CENTER 69KV'	75	0.04634	-0.04401	67
WERE	'NEOSHO ENERGY CENTER 138KV'	38.17871	0.00214	WERE	'GILL ENERGY CENTER 69KV'	75	0.04634	-0.0442	67
WERE	'LAWRENCE ENERGY CENTER 230KV'	34.41034	0.0056	WERE	'GILL ENERGY CENTER 69KV'	75	0.04634	-0.04074	72
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00607	WERE	'GILL ENERGY CENTER 69KV'	75	0.04634	-0.04027	73
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00579	WERE	'GILL ENERGY CENTER 69KV'	75	0.04634	-0.04055	73
WERE	'SMOKYHIL 230 230KV'	72	0.00573	WERE	'GILL ENERGY CENTER 69KV'	75	0.04634	-0.04061	73
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00575	WERE	'GILL ENERGY CENTER 69KV'	75	0.04634	-0.04059	73
WERE	'LATHAM1234.0 345KV'	50	0.0092	WERE	'GILL ENERGY CENTER 69KV'	75	0.04634	-0.03714	79
WERE	'GETTY 69KV'	35	0.01006	WERE	'GILL ENERGY CENTER 69KV'	75	0.04634	-0.03628	81

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

Upgrade: 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: 5779657830157039570421140 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.3	1.4
1090609	0.5	1.4
1090609	0.2	1.4
1090609	0.4	1.4

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

1090609	0.3	1.4
1090609	0.5	1.4
1090609	0.2	1.4
1090609	0.4	1.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00598	-0.49561	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.00598	-0.49561	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'CHANUTE 69KV'	56.723	0.00228	-0.49191	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.00211	-0.49174	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.00883	-0.49846	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'CITY OF ERIE 69KV'	22.274	0.00228	-0.49191	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00228	-0.49191	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'CITY OF GIRARD 69KV'	4.789	0.00166	-0.49129	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'CITY OF IOLA 69KV'	24.267	0.00228	-0.49191	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'CITY OF MULVANE 69KV'	8.288	0.02431	-0.51394	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.006	-0.49563	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00883	-0.49846	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'EVANS ENERGY CENTER 138KV'	544.001	0.01687	-0.5065	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'GILL ENERGY CENTER 138KV'	171	0.02902	-0.51865	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.53599	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'HOLTON 115KV'	12.2	0.00547	-0.4951	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.00609	-0.49572	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.00609	-0.49572	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00584	-0.49547	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00582	-0.49545	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00549	-0.49512	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.7283	0.00562	-0.49525	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'SOUTH SENECA 115KV'	8.5	0.00535	-0.49498	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00578	-0.49541	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'WACO 138KV'	17.96	0.02778	-0.51741	3
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.48963	WERE	'CITY OF WINFIELD 69KV'	10.61002	-0.14994	-0.33969	4
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.1963	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'CITY OF MULVANE 69KV'	8.288	0.02431	-0.17425	8
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'GILL ENERGY CENTER 138KV'	171	0.02902	-0.17896	8
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'WACO 138KV'	17.96	0.02778	-0.17772	8
WERE	'OXFORD 138KV'	3	-0.14354	WERE	'GILL ENERGY CENTER 138KV'	171	0.02902	-0.17256	8
WERE	'OXFORD 138KV'	3	-0.14354	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.1899	8
WERE	'OXFORD 138KV'	3	-0.14354	WERE	'WACO 138KV'	17.96	0.02778	-0.17132	8
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00598	-0.15592	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.00598	-0.15592	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'CHANUTE 69KV'	56.723	0.00228	-0.15222	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.00211	-0.15205	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.00883	-0.15877	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'CITY OF ERIE 69KV'	22.274	0.00228	-0.15222	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00228	-0.15222	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'CITY OF IOLA 69KV'	24.267	0.00228	-0.15222	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.006	-0.15594	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00883	-0.15877	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'EVANS ENERGY CENTER 138KV'	544.001	0.01687	-0.16681	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'HOLTON 115KV'	12.2	0.00547	-0.15541	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.00609	-0.15603	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.00609	-0.15603	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00584	-0.15578	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00582	-0.15576	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00549	-0.15543	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.7283	0.00562	-0.15556	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'SOUTH SENECA 115KV'	8.5	0.00535	-0.15529	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00578	-0.15572	9
WERE	'OXFORD 138KV'	3	-0.14354	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.00883	-0.15237	9
WERE	'OXFORD 138KV'	3	-0.14354	WERE	'CITY OF MULVANE 69KV'	8.288	0.02431	-0.16785	9
WERE	'OXFORD 138KV'	3	-0.14354	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00883	-0.15237	9
WERE	'OXFORD 138KV'	3	-0.14354	WERE	'EVANS ENERGY CENTER 138KV'	544.001	0.01687	-0.16041	9
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.14994	WERE	'CITY OF GIRARD 69KV'	4.789	0.00166	-0.1516	10
WERE	'CHANUTE 69KV'	31.077	0.00228	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.04408	33
WERE	'CITY OF IOLA 69KV'	13.361	0.00228	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.04408	33
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00213	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.04423	33
WERE	'LAWRENCE ENERGY CENTER 230KV'	36.2717	0.00562	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.04074	35
WERE	'BPU - CITY OF MCPHERSON 115KV'	39	0.00598	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.04038	36
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00609	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.04027	36
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.00609	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.04027	36
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00584	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.04052	36
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00582	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.04054	36
WERE	'SMOKYHIL 230 230KV'	72	0.00576	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.0406	36
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00578	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.04058	36
WERE	'LATHAM1234.0 345KV'	150	0.00922	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.03714	39
WERE	'GETTY 69KV'	35	0.01008	WERE	'GILL ENERGY CENTER 69KV'	45	0.04636	-0.03628	40
OMPA	'OMPA-PONCA CITY 69KV'	45.15614	-0.04058	OMPA	'OMPA-KINGFISHER BOWMAN 69KV'	19.7	-0.01047	-0.03011	48

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

Upgrade: GREENSBURG - JUDSON LARGE 115KV CKT 1
Limiting Facility: GREENSBURG - JUDSON LARGE 115KV CKT 1
Direction: To->From
Line Outage: MULLERGREN - SPEARVILLE 230KV CKT 1
Flowgate: 587645877115877958795131O6FA
Date Redispatch Needed: 10/1/06 - 12/1/06
Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090613	0.4	4.0
1090662	0.4	4.0
1090699	1.6	4.0
1090705	1.6	4.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'HARPER 138KV'	17.21	-0.1293	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22689	-0.35619	11
WEPL	'HARPER 138KV'	17.21	-0.1293	WEPL	'JUDSON LARGE 115KV'	59.91905	0.22848	-0.35778	11
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	38	-0.04309	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22689	-0.26998	15
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	38	-0.04309	WEPL	'JUDSON LARGE 115KV'	59.91905	0.22848	-0.27157	15
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.04309	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22689	-0.26998	15
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.04309	WEPL	'JUDSON LARGE 115KV'	59.91905	0.22848	-0.27157	15
WEPL	'RUSSELL 115KV'	27.9	-0.03377	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22689	-0.26066	15

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WEPL	'RUSSELL 115KV'	27.9	-0.03377	WEPL	'JUDSON LARGE 115KV'	59.91905	0.22848	-0.26225	15
WEPL	'HARPER 138KV'	17.21	-0.1293	WEPL	'SPEARVILLE WIND 34KV'	100	0.12117	-0.25047	16
WEPL	'SMITH CENTER 115KV'	6.15	-0.01798	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22689	-0.24487	16
WEPL	'SMITH CENTER 115KV'	6.15	-0.01798	WEPL	'JUDSON LARGE 115KV'	59.91905	0.22848	-0.24646	16
WEPL	'BELOIT 115KV'	16.6	-0.01449	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22689	-0.24138	17
WEPL	'BELOIT 115KV'	16.6	-0.01449	WEPL	'JUDSON LARGE 115KV'	59.91905	0.22848	-0.24297	17
WEPL	'CLIFTON 115KV'	70	-0.0106	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22689	-0.23749	17
WEPL	'CLIFTON 115KV'	70	-0.0106	WEPL	'JUDSON LARGE 115KV'	59.91905	0.22848	-0.23908	17
WEPL	'GREENLEAF 115KV'	14.2	-0.00927	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22689	-0.23616	17
WEPL	'GREENLEAF 115KV'	14.2	-0.00927	WEPL	'JUDSON LARGE 115KV'	59.91905	0.22848	-0.23775	17
WEPL	'PLAINVILLE 115KV'	5.79	-0.0124	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22689	-0.23929	17
WEPL	'PLAINVILLE 115KV'	5.79	-0.0124	WEPL	'JUDSON LARGE 115KV'	59.91905	0.22848	-0.24088	17
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	38	-0.04309	WEPL	'SPEARVILLE WIND 34KV'	100	0.12117	-0.16426	25
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.04309	WEPL	'SPEARVILLE WIND 34KV'	100	0.12117	-0.16426	25
WEPL	'RUSSELL 115KV'	27.9	-0.03377	WEPL	'SPEARVILLE WIND 34KV'	100	0.12117	-0.15494	26
WEPL	'BELOIT 115KV'	16.6	-0.01449	WEPL	'SPEARVILLE WIND 34KV'	100	0.12117	-0.13566	30
WEPL	'CLIFTON 115KV'	70	-0.0106	WEPL	'SPEARVILLE WIND 34KV'	100	0.12117	-0.13177	31
WEPL	'GREENLEAF 115KV'	14.2	-0.00927	WEPL	'SPEARVILLE WIND 34KV'	100	0.12117	-0.13044	31
WEPL	'CIMARRON RIVER 115KV'	72	0.12087	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22689	-0.10602	38
WEPL	'CIMARRON RIVER 115KV'	72	0.12087	WEPL	'JUDSON LARGE 115KV'	59.91905	0.22848	-0.10761	38
WEPL	'HARPER 138KV'	17.21	-0.1293	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	25	-0.04309	-0.08621	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

Upgrade: GREENSBURG - JUDSON LARGE 115KV CKT 1
Limiting Facility: GREENSBURG - JUDSON LARGE 115KV CKT 1
Direction: To->From
Line Outage: MULLERGREN - SPEARVILLE 230KV CKT 1
Flowgate: 5876458771158779587913106WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090613	0.5	5.9
1090662	0.7	5.9
1090699	2.3	5.9
1090705	2.3	5.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'HARPER 138KV'	17.21	-0.12937	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22676	-0.35613	17
WEPL	'HARPER 138KV'	17.21	-0.12937	WEPL	'JUDSON LARGE 115KV'	55.32903	0.22835	-0.35772	17
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.01582	-0.04318	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22676	-0.26994	22
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.01582	-0.04318	WEPL	'JUDSON LARGE 115KV'	55.32903	0.22835	-0.27153	22
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.04318	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22676	-0.26994	22
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.04318	WEPL	'JUDSON LARGE 115KV'	55.32903	0.22835	-0.27153	22
WEPL	'RUSSELL 115KV'	27.9	-0.03385	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22676	-0.26061	23
WEPL	'RUSSELL 115KV'	27.9	-0.03385	WEPL	'JUDSON LARGE 115KV'	55.32903	0.22835	-0.2622	23
WEPL	'BELOIT 115KV'	16.6	-0.01458	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22676	-0.24134	24
WEPL	'BELOIT 115KV'	16.6	-0.01458	WEPL	'JUDSON LARGE 115KV'	55.32903	0.22835	-0.24293	24
WEPL	'HARPER 138KV'	17.21	-0.12937	WEPL	'SPEARVILLE WIND 34KV'	100	0.12105	-0.25042	24
WEPL	'CLIFTON 115KV'	70	-0.01069	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22676	-0.23745	25
WEPL	'CLIFTON 115KV'	70	-0.01069	WEPL	'JUDSON LARGE 115KV'	55.32903	0.22835	-0.23904	25
WEPL	'GREENLEAF 115KV'	14.2	-0.00936	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22676	-0.23612	25
WEPL	'GREENLEAF 115KV'	14.2	-0.00936	WEPL	'JUDSON LARGE 115KV'	55.32903	0.22835	-0.23771	25
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.01582	-0.04318	WEPL	'SPEARVILLE WIND 34KV'	100	0.12105	-0.16423	36
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.04318	WEPL	'SPEARVILLE WIND 34KV'	100	0.12105	-0.16423	36
WEPL	'RUSSELL 115KV'	27.9	-0.03385	WEPL	'SPEARVILLE WIND 34KV'	100	0.12105	-0.1549	38
WEPL	'BELOIT 115KV'	16.6	-0.01458	WEPL	'SPEARVILLE WIND 34KV'	100	0.12105	-0.13563	44
WEPL	'CLIFTON 115KV'	70	-0.01069	WEPL	'SPEARVILLE WIND 34KV'	100	0.12105	-0.13174	45
WEPL	'CIMARRON RIVER 115KV'	72	0.12068	WEPL	'JUDSON LARGE 115KV'	55.32903	0.22835	-0.10767	55
WEPL	'CIMARRON RIVER 115KV'	72	0.12068	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22676	-0.10608	56

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

Upgrade: GREENSBURG - JUDSON LARGE 115KV CKT 1
Limiting Facility: GREENSBURG - JUDSON LARGE 115KV CKT 1
Direction: To->From
Line Outage: MULLERGREN - SPEARVILLE 230KV CKT 1
Flowgate: 5876458771158779587913107G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090613	0.3	4.3
1090662	0.4	4.3
1090674	0.1	4.3
1090699	1.7	4.3
1090705	1.7	4.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'HARPER 138KV'	17.21	-0.12869	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22672	-0.35541	12
WEPL	'HARPER 138KV'	17.21	-0.12869	WEPL	'JUDSON LARGE 115KV'	89.53949	0.22832	-0.35701	12
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	19.71292	-0.0351	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22672	-0.26182	16
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	19.71292	-0.0351	WEPL	'JUDSON LARGE 115KV'	89.53949	0.22832	-0.26342	16
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.0351	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22672	-0.26182	16
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.0351	WEPL	'JUDSON LARGE 115KV'	89.53949	0.22832	-0.26342	16
WEPL	'HARPER 138KV'	17.21	-0.12869	WEPL	'SPEARVILLE WIND 34KV'	100	0.12069	-0.24938	17
WEPL	'RUSSELL 115KV'	27.9	-0.02815	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22672	-0.25487	17
WEPL	'RUSSELL 115KV'	27.9	-0.02815	WEPL	'JUDSON LARGE 115KV'	89.53949	0.22832	-0.25647	17
WEPL	'SMITH CENTER 115KV'	6.15	-0.01637	WEPL	'JUDSON LARGE 115KV'	89.53949	0.22832	-0.24469	17
WEPL	'BELOIT 115KV'	16.6	-0.01346	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22672	-0.24018	18
WEPL	'BELOIT 115KV'	16.6	-0.01346	WEPL	'JUDSON LARGE 115KV'	89.53949	0.22832	-0.24178	18
WEPL	'CLIFTON 115KV'	70	-0.01001	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22672	-0.23673	18
WEPL	'CLIFTON 115KV'	70	-0.01001	WEPL	'JUDSON LARGE 115KV'	89.53949	0.22832	-0.23833	18
WEPL	'GREENLEAF 115KV'	14.2	-0.00877	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22672	-0.23549	18
WEPL	'GREENLEAF 115KV'	14.2	-0.00877	WEPL	'JUDSON LARGE 115KV'	89.53949	0.22832	-0.23709	18
WEPL	'SMITH CENTER 115KV'	6.15	-0.01637	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22672	-0.24309	18
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	19.71292	-0.0351	WEPL	'SPEARVILLE WIND 34KV'	100	0.12069	-0.15579	27
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.0351	WEPL	'SPEARVILLE WIND 34KV'	100	0.12069	-0.15579	27
WEPL	'RUSSELL 115KV'	27.9	-0.02815	WEPL	'SPEARVILLE WIND 34KV'	100	0.12069	-0.14884	29
MIDW	'PAWNEE 115KV'	999	-0.09465	MIDW	'COLBY 115KV'	13.3778	0.04507	-0.13972	30

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

MIDW	'RICE 115KV'	999	-0.09465	MIDW	'COLBY 115KV'	13.3778	0.04507	-0.13972	30
WEPL	'BELOIT 115KV'	16.6	-0.01346	WEPL	'SPEARVILLE WIND 34KV'	100	0.12069	-0.13415	32
WEPL	'CLIFTON 115KV'	70	-0.01001	WEPL	'SPEARVILLE WIND 34KV'	100	0.12069	-0.1307	33
WEPL	'GREENLEAF 115KV'	14.2	-0.00877	WEPL	'SPEARVILLE WIND 34KV'	100	0.12069	-0.12946	33
WEPL	'CIMARRON RIVER 115KV'	72	0.12053	WEPL	'JUDSON LARGE 115KV'	89.53949	0.22832	-0.10779	39
WEPL	'CIMARRON RIVER 115KV'	72	0.12053	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.22672	-0.10619	40
WEPL	'HARPER 138KV'	17.21	-0.12869	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	43.28708	-0.0351	-0.09359	45

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

Upgrade: HAMON BUTLER - MOREWOOD 69KV CKT 1
Limiting Facility: HAMON BUTLER - MOREWOOD 69KV CKT 1
Direction: From->To
Line Outage: MOORELAND - MOREWOOD SW 138KV CKT 1
Flowgate: 559425600015599956001124O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	0.7	1.3
1090270	0.2	1.3
1090767	0.2	1.3
1090789	0.1	1.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	-0.01306	WFEC	'MORLND 138KV'	280.4839	0.08457	-0.09763	13
WFEC	'ANADARKO 138KV'	90	-0.01306	WFEC	'SLEEPING BEAR 138KV'	80	0.0862	-0.09926	13
WFEC	'ANADARKO 69KV'	76	-0.01142	WFEC	'MORLND 138KV'	280.4839	0.08457	-0.09599	13
WFEC	'ANADARKO 69KV'	76	-0.01142	WFEC	'SLEEPING BEAR 138KV'	80	0.0862	-0.09762	13
WFEC	'BLUCAN14 138 138KV'	151.2	-0.01552	WFEC	'MORLND 138KV'	280.4839	0.08457	-0.10009	13
WFEC	'BLUCAN14 138 138KV'	151.2	-0.01552	WFEC	'SLEEPING BEAR 138KV'	80	0.0862	-0.10172	13
OKGE	'MUSKOGEE 161KV'	166	0.00099	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08366	15
OKGE	'MUSKOGEE 161KV'	31	0.00099	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08366	15
OKGE	'MUSKOGEE 345KV'	20	0.00098	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08367	15
OKGE	'SEMINOLE 138KV'	16.57095	0.00043	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08422	15
OKGE	'TINKER 5G 138KV'	62	0.00145	OKGE	'FPLWND2 34KV'	102	0.08465	-0.0832	15
OKGE	'HORSESHOE LAKE 138KV'	191.938	0.00198	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08267	16
OKGE	'MCCLAIN 138KV'	42	0.00175	OKGE	'FPLWND2 34KV'	102	0.08465	-0.0829	16
OKGE	'ONE OAK 345KV'	36	0.00295	OKGE	'FPLWND2 34KV'	102	0.08465	-0.0817	16
OKGE	'REDBUD 345KV'	870	0.00224	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08241	16
OKGE	'REDBUD 345KV'	300	0.00224	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08241	16
OKGE	'SOONER 138KV'	24.99997	0.0068	OKGE	'FPLWND2 34KV'	102	0.08465	-0.07785	17
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02149	OKGE	'FPLWND2 34KV'	102	0.08465	-0.06316	20

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

Upgrade: HAMON BUTLER - MOREWOOD 69KV CKT 1
Limiting Facility: HAMON BUTLER - MOREWOOD 69KV CKT 1
Direction: From->To
Line Outage: MOORELAND - MOREWOOD SW 138KV CKT 1
Flowgate: 559425600015599956001144O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	0.7	1.1
1086238	0.7	1.1
1090270	0.2	1.1
1090270	0.2	1.1
1090767	0.1	1.1
1090767	0.1	1.1
1090789	0.1	1.1
1090789	0.1	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	-0.01307	WFEC	'SLEEPING BEAR 138KV'	96	0.08619	-0.09926	11
WFEC	'ANADARKO 138KV'	90	-0.01307	WFEC	'SLEEPING BEAR 138KV'	96	0.08619	-0.09926	11
WFEC	'BLUCAN14 138 138KV'	151.2	-0.01553	WFEC	'MORLND 138KV'	171.048	0.08456	-0.10009	11
WFEC	'BLUCAN14 138 138KV'	151.2	-0.01553	WFEC	'MORLND 138KV'	171.048	0.08456	-0.10009	11
WFEC	'BLUCAN14 138 138KV'	151.2	-0.01553	WFEC	'SLEEPING BEAR 138KV'	96	0.08619	-0.10172	11
WFEC	'BLUCAN14 138 138KV'	151.2	-0.01553	WFEC	'SLEEPING BEAR 138KV'	96	0.08619	-0.10172	11
WFEC	'ANADARKO 138KV'	90	-0.01307	WFEC	'MORLND 138KV'	171.048	0.08456	-0.09763	12
WFEC	'ANADARKO 138KV'	90	-0.01307	WFEC	'MORLND 138KV'	171.048	0.08456	-0.09763	12
WFEC	'ANADARKO 69KV'	76	-0.01144	WFEC	'MORLND 138KV'	171.048	0.08456	-0.096	12
WFEC	'ANADARKO 69KV'	76	-0.01144	WFEC	'MORLND 138KV'	171.048	0.08456	-0.096	12
WFEC	'ANADARKO 69KV'	76	-0.01144	WFEC	'SLEEPING BEAR 138KV'	96	0.08619	-0.09763	12
WFEC	'ANADARKO 69KV'	76	-0.01144	WFEC	'SLEEPING BEAR 138KV'	96	0.08619	-0.09763	12
OKGE	'AES 161KV'	78.99999	0.00058	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0897	13
OKGE	'AES 161KV'	78.99999	0.00058	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0897	13
OKGE	'HORSESHOE LAKE 138KV'	380	0.00196	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08832	13
OKGE	'HORSESHOE LAKE 138KV'	380	0.00196	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08832	13
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00196	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08832	13
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00196	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08832	13
OKGE	'HORSESHOE LAKE 138KV'	91	0.00196	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08832	13
OKGE	'HORSESHOE LAKE 138KV'	91	0.00196	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08832	13
OKGE	'HORSESHOE LAKE 69KV'	16	0.00174	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08854	13
OKGE	'HORSESHOE LAKE 69KV'	16	0.00174	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08854	13
OKGE	'MCCLAIN 138KV'	42	0.00174	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08854	13
OKGE	'MCCLAIN 138KV'	42	0.00174	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08854	13
OKGE	'MUSKOGEE 161KV'	166	0.00098	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0893	13
OKGE	'MUSKOGEE 161KV'	166	0.00098	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0893	13
OKGE	'MUSKOGEE 161KV'	31	0.00098	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0893	13
OKGE	'MUSKOGEE 161KV'	31	0.00098	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0893	13
OKGE	'MUSKOGEE 345KV'	20	0.00096	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08932	13
OKGE	'MUSKOGEE 345KV'	20	0.00096	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08932	13
OKGE	'MUSTANG 138KV'	365.5	0.00244	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08784	13
OKGE	'MUSTANG 138KV'	365.5	0.00244	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08784	13
OKGE	'MUSTANG 69KV'	106	0.00321	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08707	13
OKGE	'MUSTANG 69KV'	106	0.00321	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08707	13
OKGE	'ONE OAK 345KV'	334	0.00294	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08734	13
OKGE	'ONE OAK 345KV'	334	0.00294	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08734	13

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

OKGE	'REDBUD 345KV'	870	0.00223	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08805	13
OKGE	'REDBUD 345KV'	870	0.00223	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08805	13
OKGE	'REDBUD 345KV'	300	0.00223	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08805	13
OKGE	'REDBUD 345KV'	300	0.00223	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08805	13
OKGE	'SEMINOLE 138KV'	320.4242	0.00042	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08422	13
OKGE	'SEMINOLE 138KV'	320.4242	0.00042	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08422	13
OKGE	'SEMINOLE 138KV'	320.4242	0.00042	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08986	13
OKGE	'SEMINOLE 138KV'	320.4242	0.00042	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08986	13
OKGE	'SEMINOLE 345KV'	507.6	0.0009	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08938	13
OKGE	'SEMINOLE 345KV'	507.6	0.0009	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08938	13
OKGE	'TINKER 5G 138KV'	62	0.00143	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08885	13
OKGE	'TINKER 5G 138KV'	62	0.00143	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08885	13
OKGE	'AES 161KV'	78.99999	0.00058	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08406	14
OKGE	'AES 161KV'	78.99999	0.00058	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08406	14
OKGE	'HORSESHOE LAKE 138KV'	380	0.00196	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08268	14
OKGE	'HORSESHOE LAKE 138KV'	380	0.00196	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08268	14
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00196	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08268	14
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00196	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08268	14
OKGE	'HORSESHOE LAKE 138KV'	91	0.00196	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08268	14
OKGE	'HORSESHOE LAKE 138KV'	91	0.00196	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08268	14
OKGE	'HORSESHOE LAKE 69KV'	16	0.00174	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0829	14
OKGE	'HORSESHOE LAKE 69KV'	16	0.00174	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0829	14
OKGE	'MCCLAIN 138KV'	42	0.00174	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0829	14
OKGE	'MCCLAIN 138KV'	42	0.00174	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0829	14
OKGE	'MUSKOGEE 161KV'	166	0.00098	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08366	14
OKGE	'MUSKOGEE 161KV'	166	0.00098	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08366	14
OKGE	'MUSKOGEE 161KV'	31	0.00098	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08366	14
OKGE	'MUSKOGEE 161KV'	31	0.00098	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08366	14
OKGE	'MUSKOGEE 345KV'	20	0.00096	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08368	14
OKGE	'MUSKOGEE 345KV'	20	0.00096	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08368	14
OKGE	'MUSTANG 138KV'	365.5	0.00244	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0822	14
OKGE	'MUSTANG 138KV'	365.5	0.00244	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0822	14
OKGE	'MUSTANG 69KV'	106	0.00321	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08143	14
OKGE	'MUSTANG 69KV'	106	0.00321	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08143	14
OKGE	'ONE OAK 345KV'	334	0.00294	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0817	14
OKGE	'ONE OAK 345KV'	334	0.00294	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0817	14
OKGE	'REDBUD 345KV'	870	0.00223	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08241	14
OKGE	'REDBUD 345KV'	870	0.00223	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08241	14
OKGE	'REDBUD 345KV'	300	0.00223	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08241	14
OKGE	'REDBUD 345KV'	300	0.00223	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08241	14
OKGE	'SEMINOLE 345KV'	507.6	0.0009	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08374	14
OKGE	'SEMINOLE 345KV'	507.6	0.0009	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08374	14
OKGE	'SOONER 138KV'	24.99997	0.00678	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0835	14
OKGE	'SOONER 138KV'	24.99997	0.00678	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0835	14
OKGE	'TINKER 5G 138KV'	62	0.00143	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08321	14
OKGE	'TINKER 5G 138KV'	62	0.00143	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08321	14
OKGE	'SOONER 138KV'	24.99997	0.00678	OKGE	'FPLWND2 34KV'	102	0.08464	-0.07786	15
OKGE	'SOONER 138KV'	24.99997	0.00678	OKGE	'FPLWND2 34KV'	102	0.08464	-0.07786	15
OMPA	'OMPA-MANGUM 69KV'	6.3	-0.04897	OMPA	'OMPA-KINGFISHER BOWMAN 69KV'	9.704967	0.02411	-0.07308	16
OMPA	'OMPA-MANGUM 69KV'	6.3	-0.04897	OMPA	'OMPA-KINGFISHER BOWMAN 69KV'	9.704967	0.02411	-0.07308	16
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02148	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0688	17
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02148	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0688	17
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02148	OKGE	'FPLWND2 34KV'	102	0.08464	-0.06316	18
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02148	OKGE	'FPLWND2 34KV'	102	0.08464	-0.06316	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

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 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090310	2.3	3.8
1090456	0.4	3.8
1090613	1.1	3.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SUNC	'CITY OF HUGOTON 69KV'	17.07	-0.40929	SUNC	'HOLCOMB 115KV'	271.4685	0.10163	-0.51092	7
SUNC	'CITY OF HUGOTON 69KV'	17.07	-0.40929	SUNC	'GARDEN CITY 115KV'	22.85419	0.09328	-0.50257	8
SUNC	'CITY OF LAKIN 115KV'	4.25	-0.3506	SUNC	'HOLCOMB 115KV'	271.4685	0.10163	-0.45223	8
SUNC	'JOHNSON 69KV'	5.2	-0.37177	SUNC	'GARDEN CITY 115KV'	22.85419	0.09328	-0.46505	8
SUNC	'JOHNSON 69KV'	5.2	-0.37177	SUNC	'HOLCOMB 115KV'	271.4685	0.10163	-0.4734	8
SUNC	'CITY OF LAKIN 115KV'	4.25	-0.3506	SUNC	'GARDEN CITY 115KV'	22.85419	0.09328	-0.44388	9
WEPL	'CIMARRON RIVER 115KV'	72	-0.36638	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	0.004	-0.37038	10
WEPL	'CIMARRON RIVER 115KV'	72	-0.36638	WEPL	'CLIFTON 115KV'	41.49945	0.00187	-0.36825	10
WEPL	'CIMARRON RIVER 115KV'	72	-0.36638	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	-0.0779	-0.28848	13
WEPL	'CIMARRON RIVER 115KV'	72	-0.36638	WEPL	'JUDSON LARGE 115KV'	114.131	-0.07921	-0.28717	13
SUNC	'CITY OF GOODLAND 115KV'	13.9	-0.01659	SUNC	'HOLCOMB 115KV'	271.4685	0.10163	-0.11822	32
SUNC	'CITY OF GOODLAND 115KV'	13.9	-0.01659	SUNC	'GARDEN CITY 115KV'	22.85419	0.09328	-0.10987	35

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

Upgrade: LINWOOD - MCWILLIE STREET 138KV CKT 1
Limiting Facility: LINWOOD - MCWILLIE STREET 138KV CKT 1
Direction: From->To
Line Outage: HARTS ISLAND - SOUTH SHREVEPORT 138KV CKT 1
Flowgate: 53422534281534145344614407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	0.6	9.0
1087745	8.5	9.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'COGENTRIX 345KV'	200	-0.00424	-0.35653	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'COMANCHE 138KV'	160	-0.00563	-0.35514	25

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'COMANCHE 69KV'	63	-0.00565	-0.35512	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'FITZHUGH 161KV'	126	-0.00242	-0.35835	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'FLINT CREEK 161KV'	420	-0.00352	-0.35725	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'L&D13 69KV'	11	-0.0028	-0.35797	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00392	-0.35685	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.00392	-0.35685	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00391	-0.35686	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'OEC 345KV'	219	-0.00411	-0.35666	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'RIVERSIDE STATION 138KV'	646	-0.00425	-0.35652	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'SOUTHWESTERN STATION 138KV'	272	-0.00558	-0.35519	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'TULSA POWER STATION 138KV'	124	-0.00421	-0.35656	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'TULSA POWER STATION 138KV'	75	-0.00421	-0.35656	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'WEATHERFORD 34KV'	148	-0.00528	-0.35549	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'WELEETKA 138KV'	70	-0.00512	-0.35565	25
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'EASTMAN 138KV'	355	-0.01316	-0.34761	26
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'KNOXLEE 138KV'	225	-0.00927	-0.3515	26
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'LEBROCK 345KV'	515	-0.01836	-0.34241	26
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'NARROWS 69KV'	22	-0.01322	-0.34755	26
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'WELSH 345KV'	990	-0.01278	-0.34799	26
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'WILKES 345KV'	311	-0.01661	-0.34416	26
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'PIRKEY GENERATION 138KV'	475	-0.02464	-0.33613	27
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'WILKES 138KV'	319.9135	-0.0287	-0.33207	27
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'COGENTRIX 345KV'	200	-0.00424	-0.20772	43
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'FITZHUGH 161KV'	126	-0.00242	-0.20954	43
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'FLINT CREEK 161KV'	420	-0.00352	-0.20844	43
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00392	-0.20804	43
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.00392	-0.20804	43
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00391	-0.20805	43
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'OEC 345KV'	219	-0.00411	-0.20785	43
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'RIVERSIDE STATION 138KV'	646	-0.00425	-0.20771	43
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'TULSA POWER STATION 138KV'	75	-0.00421	-0.20775	43
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'TULSA POWER STATION 138KV'	124	-0.00421	-0.20775	43
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'COMANCHE 138KV'	160	-0.00563	-0.20633	44
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'COMANCHE 69KV'	63	-0.00565	-0.20631	44
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'SOUTHWESTERN STATION 138KV'	272	-0.00558	-0.20638	44
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'WEATHERFORD 34KV'	148	-0.00528	-0.20668	44
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'WELEETKA 138KV'	70	-0.00512	-0.20684	44
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'EASTMAN 138KV'	355	-0.01316	-0.1988	45
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'KNOXLEE 138KV'	225	-0.00927	-0.20269	45
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'NARROWS 69KV'	22	-0.01322	-0.19874	45
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'WELSH 345KV'	990	-0.01278	-0.19918	45
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'WILKES 345KV'	311	-0.01661	-0.19535	46
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'LEBROCK 345KV'	515	-0.01836	-0.1936	47
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'PIRKEY GENERATION 138KV'	475	-0.02464	-0.18732	48
AEPW	'LIEBERMAN 138KV'	154	-0.21196	AEPW	'WILKES 138KV'	319.9135	-0.0287	-0.18326	49
AEPW	'ARSENAL HILL 69KV'	99	-0.36077	AEPW	'LIEBERMAN 138KV'	73.99999	-0.21196	-0.14881	61

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

Upgrade: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Limiting Facility: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Direction: To->From
Line Outage: REDEL - STILWELL 161KV CKT 1
Flowgate: 592105925915805357969113O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1089952	1.2	1.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.02927	MIPU	'SOUTH HARPER 161KV'	315	0.32799	-0.35726	3
MIPU	'GREENWOOD 161KV'	217.2393	-0.03697	MIPU	'SOUTH HARPER 161KV'	315	0.32799	-0.36496	3
MIPU	'LAKE ROAD 161KV'	91	-0.01318	MIPU	'SOUTH HARPER 161KV'	315	0.32799	-0.34117	3
MIPU	'NEVADA 69KV'	20.3	-0.00723	MIPU	'SOUTH HARPER 161KV'	315	0.32799	-0.33522	3
MIPU	'SIBLEY 161KV'	18.44836	-0.02002	MIPU	'SOUTH HARPER 161KV'	315	0.32799	-0.34801	3
MIPU	'SIBLEY 69KV'	1.200012	-0.0216	MIPU	'SOUTH HARPER 161KV'	315	0.32799	-0.34959	3
MIPU	'TWA 161KV'	32.1	-0.02378	MIPU	'SOUTH HARPER 161KV'	315	0.32799	-0.35177	3
MIPU	'RALPH GREEN 69KV'	73.7	0.06077	MIPU	'SOUTH HARPER 161KV'	315	0.32799	-0.26722	4
KACP	'GRAND AVENUE 161KV'	65	-0.02786	KACP	'LACYGNE UNIT 345KV'	958	0.01874	-0.0466	25
KACP	'NORTHEAST 13KV'	56	-0.02775	KACP	'LACYGNE UNIT 345KV'	958	0.01874	-0.04649	25
KACP	'NORTHEAST 13KV'	56	-0.02775	KACP	'LACYGNE UNIT 345KV'	958	0.01874	-0.04649	25
KACP	'NORTHEAST 13KV'	58	-0.02775	KACP	'LACYGNE UNIT 345KV'	958	0.01874	-0.04649	25
KACP	'NORTHEAST 13KV'	59	-0.02775	KACP	'LACYGNE UNIT 345KV'	958	0.01874	-0.04649	25
KACP	'NORTHEAST 161KV'	55	-0.02775	KACP	'LACYGNE UNIT 345KV'	958	0.01874	-0.04649	25
KACP	'NORTHEAST 161KV'	58	-0.02775	KACP	'LACYGNE UNIT 345KV'	958	0.01874	-0.04649	25
KACP	'NORTHEAST 161KV'	58	-0.02775	KACP	'LACYGNE UNIT 345KV'	958	0.01874	-0.04649	25
KACP	'NORTHEAST 161KV'	58	-0.02775	KACP	'LACYGNE UNIT 345KV'	958	0.01874	-0.04649	25
KACP	'MONTROSE 161KV'	25.34082	-0.01882	KACP	'LACYGNE UNIT 345KV'	958	0.01874	-0.03756	31
KACP	'BULL CREEK 161KV'	111.8596	-0.0141	KACP	'LACYGNE UNIT 345KV'	958	0.01874	-0.03284	36

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

Upgrade: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Limiting Facility: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Direction: To->From
Line Outage: REDEL - STILWELL 161KV CKT 1
Flowgate: 592105925915805357969113O8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1089950	0.1	0.3
1089952	0.2	0.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.02915	MIPU	'SOUTH HARPER 161KV'	315	0.32814	-0.35729	1
MIPU	'GREENWOOD 161KV'	193.0817	-0.03686	MIPU	'SOUTH HARPER 161KV'	315	0.32814	-0.365	1
MIPU	'LAKE ROAD 161KV'	91	-0.0135	MIPU	'SOUTH HARPER 161KV'	315	0.32814	-0.34164	1
MIPU	'NEVADA 69KV'	20.3	-0.00711	MIPU	'SOUTH HARPER 161KV'	315	0.32814	-0.33525	1
MIPU	'RALPH GREEN 69KV'	73.7	0.06089	MIPU	'SOUTH HARPER 161KV'	315	0.32814	-0.26725	1

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

MIPU	'SIBLEY 161KV'	18.38968	-0.01997	MIPU	'SOUTH HARPER 161KV'	315	0.32814	-0.34811	1
MIPU	'SIBLEY 69KV'	1.200012	-0.02156	MIPU	'SOUTH HARPER 161KV'	315	0.32814	-0.3497	1
MIPU	'TWA 161KV'	32.1	-0.02361	MIPU	'SOUTH HARPER 161KV'	315	0.32814	-0.35175	1
KACP	'GRAND AVENUE 161KV'	65	-0.02786	KACP	'LACYGNE UNIT 345KV'	958	0.01903	-0.04689	7
KACP	'NORTHEAST 13KV'	56	-0.02774	KACP	'LACYGNE UNIT 345KV'	958	0.01903	-0.04677	7
KACP	'NORTHEAST 13KV'	56	-0.02774	KACP	'LACYGNE UNIT 345KV'	958	0.01903	-0.04677	7
KACP	'NORTHEAST 13KV'	58	-0.02774	KACP	'LACYGNE UNIT 345KV'	958	0.01903	-0.04677	7
KACP	'NORTHEAST 13KV'	59	-0.02774	KACP	'LACYGNE UNIT 345KV'	958	0.01903	-0.04677	7
KACP	'NORTHEAST 161KV'	55	-0.02774	KACP	'LACYGNE UNIT 345KV'	958	0.01903	-0.04677	7
KACP	'NORTHEAST 161KV'	58	-0.02774	KACP	'LACYGNE UNIT 345KV'	958	0.01903	-0.04677	7
KACP	'NORTHEAST 161KV'	58	-0.02774	KACP	'LACYGNE UNIT 345KV'	958	0.01903	-0.04677	7
KACP	'NORTHEAST 161KV'	58	-0.02774	KACP	'LACYGNE UNIT 345KV'	958	0.01903	-0.04677	7
KACP	'MONTROSE 161KV'	24.39473	-0.0187	KACP	'LACYGNE UNIT 345KV'	958	0.01903	-0.03773	8
KACP	'BULL CREEK 161KV'	124.343	-0.01463	KACP	'LACYGNE UNIT 345KV'	958	0.01903	-0.03366	9
KACP	'GARDNER 161KV'	11	-0.01614	KACP	'LACYGNE UNIT 345KV'	958	0.01903	-0.03517	9

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

Upgrade: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Limiting Facility: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Direction: To->From
Line Outage: GRD OAK - PLEASANT HILL 345KV CKT 1
Flowgate: 592105925915919859200113O8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1089950	1.1	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.04476	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.44312	2
MIPU	'GREENWOOD 161KV'	193.0817	-0.04777	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.44613	2
MIPU	'LAKE ROAD 161KV'	91	-0.01621	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.41457	3
MIPU	'NEVADA 69KV'	20.3	-0.01018	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.40854	3
MIPU	'RALPH GREEN 69KV'	73.7	0.07409	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.32427	3
MIPU	'SIBLEY 161KV'	18.38968	-0.0334	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.43176	3
MIPU	'SIBLEY 69KV'	1.200012	-0.0327	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.43106	3
MIPU	'TWA 161KV'	32.1	-0.0244	MIPU	'SOUTH HARPER 161KV'	315	0.39836	-0.42276	3
KACP	'NORTHEAST 13KV'	56	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'NORTHEAST 13KV'	56	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'NORTHEAST 13KV'	58	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'NORTHEAST 13KV'	59	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'NORTHEAST 161KV'	55	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'NORTHEAST 161KV'	58	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'NORTHEAST 161KV'	58	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'NORTHEAST 161KV'	58	-0.02908	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.07008	15
KACP	'GRAND AVENUE 161KV'	65	-0.02874	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.06974	16
KACP	'MONTROSE 161KV'	24.39473	-0.02035	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.06135	18
KACP	'MARSHALL 161KV'	54.1	-0.01561	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.05661	19
KACP	'GARDNER 161KV'	11	-0.0068	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.0478	23
KACP	'BULL CREEK 161KV'	124.343	-0.00436	KACP	'LACYGNE UNIT 345KV'	958	0.041	-0.04536	24
MIPU	'GREENWOOD 161KV'	193.0817	-0.04777	MIPU	'LAKE ROAD 161KV'	35	-0.01621	-0.03156	34
MIPU	'GREENWOOD 161KV'	193.0817	-0.04777	MIPU	'LAKE ROAD 34KV'	92	-0.01621	-0.03156	34

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

Upgrade: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Limiting Facility: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Direction: To->From
Line Outage: GRD OAK - PLEASANT HILL 345KV CKT 1
Flowgate: 592105925915919859200114O6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090699	17.9	35.9
1090705	17.9	35.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'GREENWOOD 161KV'	247.3994	-0.04812	MIPU	'SOUTH HARPER 161KV'	315	0.398	-0.44612	80
MIPU	'ARIES 161KV'	595	-0.04512	MIPU	'SOUTH HARPER 161KV'	315	0.398	-0.44312	81
MIPU	'TWA 161KV'	32.1	-0.02452	MIPU	'SOUTH HARPER 161KV'	315	0.398	-0.42252	85
MIPU	'LAKE ROAD 161KV'	91	-0.01577	MIPU	'SOUTH HARPER 161KV'	315	0.398	-0.41377	87
MIPU	'RALPH GREEN 69KV'	73.7	0.07369	MIPU	'SOUTH HARPER 161KV'	315	0.398	-0.32431	111
KACP	'HAWTHORN 161KV'	423	-0.03185	KACP	'LACYGNE UNIT 345KV'	962	0.04174	-0.07359	487
KACP	'BULL CREEK 161KV'	308	-0.00386	KACP	'LACYGNE UNIT 345KV'	962	0.04174	-0.0456	786

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

Upgrade: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Limiting Facility: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Direction: To->From
Line Outage: GRD OAK - PLEASANT HILL 345KV CKT 1
Flowgate: 592105925915919859200114O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090699	3.8	7.5
1090705	3.8	7.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.04491	MIPU	'SOUTH HARPER 161KV'	315	0.39809	-0.443	17
MIPU	'GREENWOOD 161KV'	15.8	-0.04792	MIPU	'SOUTH HARPER 161KV'	315	0.39809	-0.44601	17
MIPU	'SIBLEY 161KV'	18.67337	-0.03334	MIPU	'SOUTH HARPER 161KV'	315	0.39809	-0.43143	17
MIPU	'LAKE ROAD 161KV'	81	-0.01559	MIPU	'SOUTH HARPER 161KV'	315	0.39809	-0.41368	18
MIPU	'NEVADA 69KV'	20.3	-0.01053	MIPU	'SOUTH HARPER 161KV'	315	0.39809	-0.40862	18
MIPU	'TWA 161KV'	14.26904	-0.02429	MIPU	'SOUTH HARPER 161KV'	315	0.39809	-0.42238	18

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

MIPU	'ARIES 161KV'	595	-0.04491	MIPU	'RALPH GREEN 69KV'	71.7	0.07387	-0.11878	63
MIPU	'LAKE ROAD 161KV'	81	-0.01559	MIPU	'RALPH GREEN 69KV'	71.7	0.07387	-0.08946	84
KACP	'GRAND AVENUE 161KV'	65	-0.02853	KACP	'LACYGNE UNIT 345KV'	958	0.04177	-0.0703	107
KACP	'NORTHEAST 13KV'	58	-0.02888	KACP	'LACYGNE UNIT 345KV'	958	0.04177	-0.07065	107
KACP	'NORTHEAST 13KV'	59	-0.02888	KACP	'LACYGNE UNIT 345KV'	958	0.04177	-0.07065	107
KACP	'NORTHEAST 161KV'	58	-0.02888	KACP	'LACYGNE UNIT 345KV'	958	0.04177	-0.07065	107
KACP	'NORTHEAST 161KV'	58	-0.02888	KACP	'LACYGNE UNIT 345KV'	958	0.04177	-0.07065	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

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

Reservation	Relief Amount	Aggregate Relief Amount
1089950	1.7	3.6
1090609	0.4	3.6
1090699	0.6	3.6
1090705	0.6	3.6
1090729	0.3	3.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.31907	11
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.25173	14
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'HOLTON 115KV'	8.2	0.07498	-0.22993	16
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.2229	16
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.22326	16
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.21514	17
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.06312	-0.21807	17
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.20369	18
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'SOUTH SENECA 115KV'	8.5	0.04144	-0.19639	19
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'EVANS ENERGY CENTER 138KV'	323.8247	0.01446	-0.16941	21
WERE	'CITY OF GIRARD 69KV'	8.909	0.00179	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.16233	22
WERE	'CITY OF IOLA 69KV'	13.372	0.00202	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.1621	22
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.01224	-0.16719	22
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'CITY OF WELLINGTON 69KV'	20	0.01184	-0.16679	22
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'GILL ENERGY CENTER 138KV'	155	0.01383	-0.16878	22
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'WACO 138KV'	17.946	0.01389	-0.16884	22
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'HOLTON 115KV'	8.2	0.07498	-0.16259	22
WERE	'CHANUTE 69KV'	31.504	0.00296	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.16116	23
WERE	'CITY OF BURLINGTON 69KV'	7.7	0.00537	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15875	23
WERE	'CITY OF ERIE 69KV'	24.231	0.00296	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.16116	23
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15549	23
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'CHANUTE 69KV'	56.296	0.00296	-0.15791	23
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'CITY OF IOLA 69KV'	24.256	0.00202	-0.15697	23
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00537	-0.16032	23
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.15556	23
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.15592	23
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00294	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.16118	23
WERE	'CITY OF MULVANE 69KV'	10.899	0.01275	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15137	24
WERE	'CITY OF WELLINGTON 69KV'	23.5	0.01184	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15228	24
WERE	'CITY OF WINFIELD 69KV'	40	0.0109	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15322	24
WERE	'EVANS ENERGY CENTER 138KV'	419.1753	0.01446	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.14966	24
WERE	'GETTY 69KV'	35	0.01244	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15168	24
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.01383	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15029	24
WERE	'GILL ENERGY CENTER 69KV'	118	0.01356	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15056	24
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.06312	-0.15073	24
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.1478	25
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.13635	27
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	0.05151	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.11261	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.04874	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.11538	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.04873	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.11539	32
WERE	'SMOKYHIL 230 230KV'	72	0.05104	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.11308	32
WERE	'CLAY CENTER JUNCTION 115KV'	29.516	0.06312	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.101	36
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.01224	-0.09985	36
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'EVANS ENERGY CENTER 138KV'	323.8247	0.01446	-0.10207	36
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'GILL ENERGY CENTER 138KV'	155	0.01383	-0.10144	36
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'WACO 138KV'	17.946	0.01389	-0.1015	36
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'CITY OF WELLINGTON 69KV'	20	0.01184	-0.09945	37
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.06795	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.09617	38
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.06831	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.09581	38
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00537	-0.09298	39
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'CHANUTE 69KV'	56.296	0.00296	-0.09057	40
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'CITY OF IOLA 69KV'	24.256	0.00202	-0.08963	41
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'LAWRENCE ENERGY CENTER 230KV'	228.5818	-0.08761	-0.06734	54
WERE	'CHANUTE 69KV'	31.504	0.00296	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.06499	56
WERE	'CHANUTE 69KV'	31.504	0.00296	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.06535	56
WERE	'CITY OF ERIE 69KV'	24.231	0.00296	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.06499	56
WERE	'CITY OF ERIE 69KV'	24.231	0.00296	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.06535	56
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00294	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.06501	56
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00294	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.06537	56
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.05932	61
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.05968	61
WERE	'CITY OF WINFIELD 69KV'	40	0.0109	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.05741	63
WERE	'CHANUTE 69KV'	31.504	0.00296	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.05723	64
WERE	'CITY OF ERIE 69KV'	24.231	0.00296	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.05723	64
WERE	'CITY OF WELLINGTON 69KV'	23.5	0.01184	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.05647	64
WERE	'CITY OF WINFIELD 69KV'	40	0.0109	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.05705	64
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00294	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.05725	64
WERE	'CITY OF WELLINGTON 69KV'	23.5	0.01184	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.05611	65
WERE	'GETTY 69KV'	35	0.01244	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.05587	65
WERE	'GETTY 69KV'	35	0.01244	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.05551	66
WERE	'GILL ENERGY CENTER 69KV'	118	0.01356	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.05475	66
WERE	'GILL ENERGY CENTER 69KV'	118	0.01356	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.05439	67
WERE	'EVANS ENERGY CENTER 138KV'	419.1753	0.01446	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.05349	68
WERE	'EVANS ENERGY CENTER 138KV'	419.1753	0.01446	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.05385	68
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.05156	71
WERE	'CITY OF WINFIELD 69KV'	40	0.0109	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.04929	74
WERE	'GETTY 69KV'	35	0.01244	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.04775	76
WERE	'GILL ENERGY CENTER 69KV'	118	0.01356	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.04663	78

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CHANUTE 69KV'	31.504	0.00296	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.04578	79
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00294	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.0458	79
WERE	'EVANS ENERGY CENTER 138KV'	419.1753	0.01446	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.04573	80
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.04011	91
WERE	'CITY OF WINFIELD 69KV'	40	0.0109	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.03784	96
WERE	'GETTY 69KV'	35	0.01244	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.0363	100
WERE	'GILL ENERGY CENTER 69KV'	118	0.01356	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.03518	103
WERE	'EVANS ENERGY CENTER 138KV'	419.1753	0.01446	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.03428	106

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

Upgrade: MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1
Limiting Facility: MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: GEN:56663 1
Flowgate: 57253572701GEN5666311107FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1089950	0.9	0.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.30215	3
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.03309	-0.19818	4
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'HOLTON 115KV'	8.2	0.04206	-0.20715	4
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.23797	4
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03019	-0.19528	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CHANUTE 69KV'	56.296	0.00084	-0.16593	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00556	-0.17065	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00209	-0.16718	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF ERIE 69KV'	2.299	0.00084	-0.16593	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00152	-0.16661	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF GIRARD 69KV'	1.791	0.00028	-0.16537	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF IOLA 69KV'	24.256	0.0003	-0.16539	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF MULVANE 69KV'	4.891	0.00573	-0.17082	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF WELLINGTON 69KV'	20	0.0053	-0.17039	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00209	-0.16718	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'EVANS ENERGY CENTER 138KV'	323.8247	0.00653	-0.17162	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'GILL ENERGY CENTER 138KV'	155	0.00624	-0.17133	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.02245	-0.18754	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02951	-0.1946	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02635	-0.19144	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'SOUTH SENECA 115KV'	8.5	0.02291	-0.188	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'WACO 138KV'	17.946	0.00627	-0.17136	5
WERE	'CITY OF GIRARD 69KV'	8.909	0.00028	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13678	6
WERE	'CITY OF IOLA 69KV'	13.372	0.0003	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13676	6
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'HOLTON 115KV'	8.2	0.04206	-0.14297	6
WERE	'CHANUTE 69KV'	31.504	0.00084	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13622	7
WERE	'CITY OF AUGUSTA 69KV'	7.320001	0.00556	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.1315	7
WERE	'CITY OF BURLINGTON 69KV'	7.7	0.00209	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13497	7
WERE	'CITY OF ERIE 69KV'	24.231	0.00084	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13622	7
WERE	'CITY OF FREDONIA 69KV'	5.069	0.00152	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13554	7
WERE	'CITY OF MULVANE 69KV'	10.899	0.00573	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13133	7
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00146	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.1356	7
WERE	'CITY OF WELLINGTON 69KV'	23.5	0.0053	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13176	7
WERE	'CITY OF WINFIELD 69KV'	40	0.00487	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13219	7
WERE	'EVANS ENERGY CENTER 138KV'	419.1753	0.00653	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13053	7
WERE	'GETTY 69KV'	35	0.00572	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13134	7
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00624	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13082	7
WERE	'GILL ENERGY CENTER 69KV'	118	0.00611	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13095	7
WERE	'LATHAM1234.0 345KV'	150	0.0037	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13336	7
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03019	-0.1311	7
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.03309	-0.134	7
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.02245	-0.12336	7
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02951	-0.13042	7
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02635	-0.12726	7
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'SOUTH SENECA 115KV'	8.5	0.02291	-0.12382	7
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00092	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13614	7
WERE	'OXFORD 138KV'	3	0.005	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13206	7
WERE	'ST JOHN 115KV'	7.5	0.01739	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.11967	7
WERE	'ABILENE ENERGY CENTER 115KV'	5.999996	0.03019	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.10687	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	0.02349	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.11357	8
WERE	'BROWN COUNTY 115KV'	5.5	0.02245	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.11461	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.02245	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.11461	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.02244	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.11462	8
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.02951	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.10755	8
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.02635	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.11071	8
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00556	-0.10647	8
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CITY OF MULVANE 69KV'	4.891	0.00573	-0.10664	8
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CITY OF WELLINGTON 69KV'	20	0.0053	-0.10621	8
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'EVANS ENERGY CENTER 138KV'	323.8247	0.00653	-0.10744	8
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'GILL ENERGY CENTER 138KV'	155	0.00624	-0.10715	8
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'WACO 138KV'	17.946	0.00627	-0.10718	8
WERE	'SMOKYHIL 230 230KV'	72	0.02286	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.1142	8
WERE	'SOUTH SENECA 115KV'	8.2	0.02291	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.11415	8
WERE	'CLAY CENTER JUNCTION 115KV'	29.516	0.03309	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.10397	9
WERE	'HOLTON 115KV'	11.6	0.04206	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.095	9
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CHANUTE 69KV'	56.296	0.00084	-0.10175	9
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00209	-0.103	9
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00152	-0.10243	9
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CITY OF IOLA 69KV'	24.256	0.0003	-0.10121	9
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00209	-0.103	9
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.071	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.06606	13
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'LAWRENCE ENERGY CENTER 230KV'	228.5818	-0.10091	-0.06418	14
WERE	'CITY OF GIRARD 69KV'	8.909	0.00028	WERE	'HOLTON 115KV'	8.2	0.04206	-0.04178	21
WERE	'CITY OF IOLA 69KV'	13.372	0.0003	WERE	'HOLTON 115KV'	8.2	0.04206	-0.04176	21
WERE	'CHANUTE 69KV'	31.504	0.00084	WERE	'HOLTON 115KV'	8.2	0.04206	-0.04122	22
WERE	'CITY OF BURLINGTON 69KV'	7.7	0.00209	WERE	'HOLTON 115KV'	8.2	0.04206	-0.03997	22
WERE	'CITY OF ERIE 69KV'	24.231	0.00084	WERE	'HOLTON 115KV'	8.2	0.04206	-0.04122	22
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00092	WERE	'HOLTON 115KV'	8.2	0.04206	-0.04114	22
WERE	'LATHAM1234.0 345KV'	150	0.0037	WERE	'HOLTON 115KV'	8.2	0.04206	-0.03836	23
WERE	'CITY OF MULVANE 69KV'	10.899	0.00573	WERE	'HOLTON 115KV'	8.2	0.04206	-0.03633	24
WERE	'CITY OF WELLINGTON 69KV'	23.5	0.0053	WERE	'HOLTON 115KV'	8.2	0.04206	-0.03676	24

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF WINFIELD 69KV'	40	0.00487	WERE	'HOLTON 115KV'	8.2	0.04206	-0.03719	24
WERE	'GETTY 69KV'	35	0.00572	WERE	'HOLTON 115KV'	8.2	0.04206	-0.03634	24

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

Upgrade: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: YOAKUM COUNTY INTERCHANGE 230-115KV TRANSFORMER CKT 1
Flowgate: 5196651969151891518901340 7AP
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount
1090487	25.0	25.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MUSTANG 115KV'	150	-0.44277	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.68696	36
SPS	'MUSTANG 115KV'	150	-0.44277	SPS	'TOLK 230KV'	1016.223	0.01764	-0.46041	54
SPS	'MUSTANG 115KV'	150	-0.44277	SPS	'CAPROCK 115KV'	36	0.01241	-0.45518	55
SPS	'MUSTANG 115KV'	150	-0.44277	SPS	'BLACKHAWK 115KV'	220	0.00507	-0.44784	56
SPS	'MUSTANG 115KV'	150	-0.44277	SPS	'CZ 69KV'	35	0.00466	-0.44743	56
SPS	'MUSTANG 115KV'	150	-0.44277	SPS	'HARRINGTON 230KV'	683.9658	0.00523	-0.448	56
SPS	'MUSTANG 115KV'	150	-0.44277	SPS	'SAN JUAN 230KV'	54	0.00289	-0.44566	56
SPS	'MUSTANG 115KV'	150	-0.44277	SPS	'STEER WATER 115KV'	36	0.00485	-0.44762	56
SPS	'MUSTANG 115KV'	150	-0.44277	SPS	'WILWIND 230KV'	72	0.00728	-0.45005	56
SPS	'MUSTANG 115KV'	150	-0.44277	SPS	'JONES 230KV'	104	-0.01215	-0.43062	58
SPS	'MUSTANG 115KV'	150	-0.44277	SPS	'CUNNINGHAM 230KV'	56	-0.02586	-0.41691	60
SPS	'CUNNINGHAM 115KV'	71	-0.12228	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.36647	68
SPS	'CUNNINGHAM 115KV'	110	-0.12228	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.36647	68
SPS	'MADOX 115KV'	193	-0.12526	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.36945	68
SPS	'CUNNINGHAM 230KV'	250	-0.02586	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.27005	93
SPS	'LP-BRND2 69KV'	232	-0.01335	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.25754	97
SPS	'JONES 230KV'	625	-0.01215	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.25634	98
SPS	'HARRINGTON 230KV'	382.0342	0.00523	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.23896	105
SPS	'MOORE COUNTY 115KV'	48	0.00534	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.23885	105
SPS	'NICHOLS 115KV'	213	0.00502	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.23917	105
SPS	'NICHOLS 230KV'	244	0.00517	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.23902	105
SPS	'PLANTX 115KV'	253	0.00747	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.23672	106
SPS	'TOLK 345KV'	540	0.01211	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.23208	108
SPS	'PLANTX 230KV'	189	0.01597	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.22822	110
SPS	'TOLK 230KV'	603.777	0.01764	SPS	'MUSTG5 118.0 230KV'	125	0.24419	-0.22655	110
SPS	'MADOX 115KV'	193	-0.12526	SPS	'TOLK 230KV'	1016.223	0.01764	-0.1429	175
SPS	'CUNNINGHAM 115KV'	71	-0.12228	SPS	'TOLK 230KV'	1016.223	0.01764	-0.13992	179
SPS	'CUNNINGHAM 115KV'	110	-0.12228	SPS	'TOLK 230KV'	1016.223	0.01764	-0.13992	179
SPS	'MADOX 115KV'	193	-0.12526	SPS	'WILWIND 230KV'	72	0.00728	-0.13254	189
SPS	'MADOX 115KV'	193	-0.12526	SPS	'BLACKHAWK 115KV'	220	0.00507	-0.13033	192
SPS	'MADOX 115KV'	193	-0.12526	SPS	'HARRINGTON 230KV'	683.9658	0.00523	-0.13049	192
SPS	'CUNNINGHAM 115KV'	71	-0.12228	SPS	'WILWIND 230KV'	72	0.00728	-0.12956	193
SPS	'CUNNINGHAM 115KV'	110	-0.12228	SPS	'WILWIND 230KV'	72	0.00728	-0.12956	193
SPS	'CUNNINGHAM 115KV'	71	-0.12228	SPS	'BLACKHAWK 115KV'	220	0.00507	-0.12735	196
SPS	'CUNNINGHAM 115KV'	110	-0.12228	SPS	'BLACKHAWK 115KV'	220	0.00507	-0.12735	196
SPS	'CUNNINGHAM 115KV'	71	-0.12228	SPS	'HARRINGTON 230KV'	683.9658	0.00523	-0.12751	196
SPS	'CUNNINGHAM 115KV'	110	-0.12228	SPS	'HARRINGTON 230KV'	683.9658	0.00523	-0.12751	196
SPS	'MADOX 115KV'	193	-0.12526	SPS	'JONES 230KV'	104	-0.01215	-0.11311	221
SPS	'CUNNINGHAM 115KV'	110	-0.12228	SPS	'JONES 230KV'	104	-0.01215	-0.11013	227
SPS	'CUNNINGHAM 230KV'	250	-0.02586	SPS	'TOLK 230KV'	1016.223	0.01764	-0.0435	575

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

Upgrade: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 5196651969152205518911340 7AP
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount
1090487	41.8	53.3
1090695	11.5	53.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MUSTANG 115KV'	150	-0.3891	SPS	'MUSTG5 118.0 230KV'	125	0.25691	-0.64601	82
SPS	'MADOX 115KV'	193	-0.21305	SPS	'MUSTG5 118.0 230KV'	125	0.25691	-0.46996	113
SPS	'CUNNINGHAM 115KV'	71	-0.21043	SPS	'MUSTG5 118.0 230KV'	125	0.25691	-0.46734	114
SPS	'CUNNINGHAM 115KV'	110	-0.21043	SPS	'MUSTG5 118.0 230KV'	125	0.25691	-0.46734	114
SPS	'CUNNINGHAM 230KV'	250	-0.16709	SPS	'MUSTG5 118.0 230KV'	125	0.25691	-0.424	126
SPS	'MUSTANG 115KV'	150	-0.3891	SPS	'TOLK 230KV'	1016.223	0.00804	-0.39714	134
SPS	'MUSTANG 115KV'	150	-0.3891	SPS	'BLACKHAWK 115KV'	220	0.00272	-0.39182	136
SPS	'MUSTANG 115KV'	150	-0.3891	SPS	'HARRINGTON 230KV'	683.9658	0.0028	-0.3919	136
SPS	'MUSTANG 115KV'	150	-0.3891	SPS	'WILWIND 230KV'	72	0.00385	-0.39295	136
SPS	'MUSTANG 115KV'	150	-0.3891	SPS	'JONES 230KV'	104	-0.00553	-0.38357	139
SPS	'MUSTANG 115KV'	150	-0.3891	SPS	'SAN JUAN 230KV'	54	-0.03782	-0.35128	152
SPS	'TOLK 345KV'	540	-0.01011	SPS	'MUSTG5 118.0 230KV'	125	0.25691	-0.26702	199
SPS	'LP-BRND2 69KV'	232	-0.00613	SPS	'MUSTG5 118.0 230KV'	125	0.25691	-0.26304	202
SPS	'JONES 230KV'	625	-0.00553	SPS	'MUSTG5 118.0 230KV'	125	0.25691	-0.26244	203
SPS	'NICHOLS 115KV'	213	0.00267	SPS	'MUSTG5 118.0 230KV'	125	0.25691	-0.25424	209
SPS	'HARRINGTON 230KV'	382.0342	0.0028	SPS	'MUSTG5 118.0 230KV'	125	0.25691	-0.25411	210
SPS	'NICHOLS 230KV'	244	0.00277	SPS	'MUSTG5 118.0 230KV'	125	0.25691	-0.25414	210
SPS	'PLANTX 115KV'	253	0.00492	SPS	'MUSTG5 118.0 230KV'	125	0.25691	-0.25199	211
SPS	'TOLK 230KV'	603.777	0.00804	SPS	'MUSTG5 118.0 230KV'	125	0.25691	-0.24887	214
SPS	'PLANTX 230KV'	189	0.00947	SPS	'MUSTG5 118.0 230KV'	125	0.25691	-0.24744	215
SPS	'MADOX 115KV'	193	-0.21305	SPS	'TOLK 230KV'	1016.223	0.00804	-0.22109	241
SPS	'CUNNINGHAM 115KV'	110	-0.21043	SPS	'TOLK 230KV'	1016.223	0.00804	-0.21847	244
SPS	'MADOX 115KV'	193	-0.21305	SPS	'BLACKHAWK 115KV'	220	0.00272	-0.21577	247
SPS	'MADOX 115KV'	193	-0.21305	SPS	'HARRINGTON 230KV'	683.9658	0.0028	-0.21585	247
SPS	'CUNNINGHAM 115KV'	110	-0.21043	SPS	'BLACKHAWK 115KV'	220	0.00272	-0.21315	250
SPS	'CUNNINGHAM 115KV'	110	-0.21043	SPS	'HARRINGTON 230KV'	683.9658	0.0028	-0.21323	250
SPS	'MADOX 115KV'	193	-0.21305	SPS	'JONES 230KV'	104	-0.00553	-0.20752	257
SPS	'CUNNINGHAM 115KV'	110	-0.21043	SPS	'JONES 230KV'	104	-0.00553	-0.2049	260

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'CUNNINGHAM 230KV'	250	-0.16709	SPS	'TOLK 230KV'	1016.223	0.00804	-0.17513	304
SPS	'CUNNINGHAM 230KV'	250	-0.16709	SPS	'HARRINGTON 230KV'	683.9658	0.0028	-0.16989	313
SPS	'CUNNINGHAM 230KV'	250	-0.16709	SPS	'BLACKHAWK 115KV'	220	0.00272	-0.16981	314

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

Upgrade: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 5196651969152205518911340 7FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	42.2	46.5
1090695	4.3	46.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	71	-0.21041	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.46734	99
SPS	'CUNNINGHAM 115KV'	110	-0.21041	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.46734	99
SPS	'MADOX 115KV'	126.6467	-0.21303	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.46996	99
SPS	'CUNNINGHAM 230KV'	306	-0.16708	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.42401	110
SPS	'TOLK 345KV'	540	-0.01016	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.26709	174
SPS	'JONES 230KV'	243	-0.00537	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.2623	177
SPS	'LP-BRND2 69KV'	172	-0.00597	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.2629	177
SPS	'NICHOLS 115KV'	213	0.00259	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.25434	183
SPS	'NICHOLS 230KV'	244	0.00269	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.25424	183
SPS	'PLANTX 115KV'	253	0.0047	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.25223	184
SPS	'TOLK 230KV'	600.877	0.00799	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.24894	187
SPS	'PLANTX 230KV'	189	0.0094	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.24753	188
SPS	'MADOX 115KV'	126.6467	-0.21303	SPS	'TOLK 230KV'	1019.123	0.00799	-0.22102	210
SPS	'CUNNINGHAM 115KV'	71	-0.21041	SPS	'TOLK 230KV'	1019.123	0.00799	-0.2184	213
SPS	'CUNNINGHAM 115KV'	110	-0.21041	SPS	'TOLK 230KV'	1019.123	0.00799	-0.2184	213
SPS	'MADOX 115KV'	126.6467	-0.21303	SPS	'HARRINGTON 230KV'	1066	0.00272	-0.21575	215
SPS	'MADOX 115KV'	126.6467	-0.21303	SPS	'BLACKHAWK 115KV'	220	0.00263	-0.21566	216
SPS	'CUNNINGHAM 115KV'	110	-0.21041	SPS	'BLACKHAWK 115KV'	220	0.00263	-0.21304	218
SPS	'CUNNINGHAM 115KV'	110	-0.21041	SPS	'HARRINGTON 230KV'	1066	0.00272	-0.21313	218
SPS	'MADOX 115KV'	126.6467	-0.21303	SPS	'JONES 230KV'	486	-0.00537	-0.20766	224
SPS	'CUNNINGHAM 115KV'	110	-0.21041	SPS	'JONES 230KV'	486	-0.00537	-0.20504	227
SPS	'CUNNINGHAM 230KV'	306	-0.16708	SPS	'TOLK 230KV'	1019.123	0.00799	-0.17507	266
SPS	'CUNNINGHAM 230KV'	306	-0.16708	SPS	'BLACKHAWK 115KV'	220	0.00263	-0.16971	274
SPS	'CUNNINGHAM 230KV'	306	-0.16708	SPS	'HARRINGTON 230KV'	1066	0.00272	-0.1698	274
SPS	'CUNNINGHAM 230KV'	306	-0.16708	SPS	'JONES 230KV'	486	-0.00537	-0.16171	287

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

Upgrade: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 5196651969152205518911340 7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	21.1	22.8
1090695	1.6	22.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MUSTANG 115KV'	29	-0.38907	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.646	35
SPS	'MADOX 115KV'	104.8643	-0.21303	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.46996	48
SPS	'CUNNINGHAM 115KV'	71	-0.21041	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.46734	49
SPS	'CUNNINGHAM 115KV'	110	-0.21041	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.46734	49
SPS	'CUNNINGHAM 230KV'	110	-0.16708	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.42401	54
SPS	'MUSTANG 115KV'	29	-0.38907	SPS	'TOLK 230KV'	1022.867	0.00799	-0.39706	57
SPS	'MUSTANG 115KV'	29	-0.38907	SPS	'BLACKHAWK 115KV'	220	0.00263	-0.3917	58
SPS	'MUSTANG 115KV'	29	-0.38907	SPS	'CZ 69KV'	35	0.00241	-0.39148	58
SPS	'MUSTANG 115KV'	29	-0.38907	SPS	'HARRINGTON 230KV'	1066	0.00272	-0.39179	58
SPS	'MUSTANG 115KV'	29	-0.38907	SPS	'STEER WATER 115KV'	24	0.0025	-0.39157	58
SPS	'MUSTANG 115KV'	29	-0.38907	SPS	'WILWIND 230KV'	48	0.00376	-0.39283	58
SPS	'MUSTANG 115KV'	29	-0.38907	SPS	'CAPROCK 115KV'	24	-0.00496	-0.38411	59
SPS	'MUSTANG 115KV'	29	-0.38907	SPS	'JONES 230KV'	243	-0.00537	-0.3837	59
SPS	'MUSTANG 115KV'	29	-0.38907	SPS	'LP-BRND2 69KV'	60	-0.00597	-0.3831	59
SPS	'MUSTANG 115KV'	29	-0.38907	SPS	'SAN JUAN 230KV'	36	-0.03785	-0.35122	65
SPS	'TOLK 345KV'	540	-0.01015	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.26708	85
SPS	'JONES 230KV'	486	-0.00537	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.2623	87
SPS	'LP-BRND2 69KV'	172	-0.00597	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.2629	87
SPS	'NICHOLS 115KV'	213	0.00259	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.25434	89
SPS	'NICHOLS 230KV'	244	0.00269	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.25424	89
SPS	'MOORE COUNTY 115KV'	48	0.00279	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.25414	90
SPS	'PLANTX 115KV'	253	0.0047	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.25223	90
SPS	'TOLK 230KV'	597.1328	0.00799	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.24894	91
SPS	'PLANTX 230KV'	189	0.00941	SPS	'MUSTG5 118.0 230KV'	210	0.25693	-0.24752	92
SPS	'MADOX 115KV'	104.8643	-0.21303	SPS	'TOLK 230KV'	1022.867	0.00799	-0.22102	103
SPS	'CUNNINGHAM 115KV'	71	-0.21041	SPS	'TOLK 230KV'	1022.867	0.00799	-0.2184	104
SPS	'CUNNINGHAM 115KV'	110	-0.21041	SPS	'TOLK 230KV'	1022.867	0.00799	-0.2184	104
SPS	'MADOX 115KV'	104.8643	-0.21303	SPS	'HARRINGTON 230KV'	1066	0.00272	-0.21575	105
SPS	'MADOX 115KV'	104.8643	-0.21303	SPS	'WILWIND 230KV'	48	0.00376	-0.21679	105
SPS	'CUNNINGHAM 115KV'	71	-0.21041	SPS	'WILWIND 230KV'	48	0.00376	-0.21417	106
SPS	'CUNNINGHAM 115KV'	110	-0.21041	SPS	'WILWIND 230KV'	48	0.00376	-0.21417	106
SPS	'MADOX 115KV'	104.8643	-0.21303	SPS	'BLACKHAWK 115KV'	220	0.00263	-0.21566	106
SPS	'CUNNINGHAM 115KV'	71	-0.21041	SPS	'BLACKHAWK 115KV'	220	0.00263	-0.21304	107
SPS	'CUNNINGHAM 115KV'	110	-0.21041	SPS	'BLACKHAWK 115KV'	220	0.00263	-0.21304	107
SPS	'CUNNINGHAM 115KV'	71	-0.21041	SPS	'HARRINGTON 230KV'	1066	0.00272	-0.21313	107
SPS	'CUNNINGHAM 115KV'	110	-0.21041	SPS	'HARRINGTON 230KV'	1066	0.00272	-0.21313	107
SPS	'MADOX 115KV'	104.8643	-0.21303	SPS	'JONES 230KV'	243	-0.00537	-0.20766	110
SPS	'MADOX 115KV'	104.8643	-0.21303	SPS	'LP-BRND2 69KV'	60	-0.00597	-0.20706	110
SPS	'CUNNINGHAM 115KV'	71	-0.21041	SPS	'JONES 230KV'	243	-0.00537	-0.20504	111
SPS	'CUNNINGHAM 115KV'	110	-0.21041	SPS	'JONES 230KV'	243	-0.00537	-0.20504	111
SPS	'CUNNINGHAM 115KV'	71	-0.21041	SPS	'LP-BRND2 69KV'	60	-0.00597	-0.20444	111

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'CUNNINGHAM 115KV'	110	-0.21041	SPS	'LP-BRND2 69KV'	60	-0.00597	-0.20444	111
SPS	'CUNNINGHAM 230KV'	110	-0.16708	SPS	'TOLK 230KV'	1022.867	0.00799	-0.17507	130
SPS	'CUNNINGHAM 230KV'	110	-0.16708	SPS	'WILWIND 230KV'	48	0.00376	-0.17084	133
SPS	'CUNNINGHAM 230KV'	110	-0.16708	SPS	'BLACKHAWK 115KV'	220	0.00263	-0.16971	134
SPS	'CUNNINGHAM 230KV'	110	-0.16708	SPS	'HARRINGTON 230KV'	1066	0.00272	-0.1698	134
SPS	'CUNNINGHAM 230KV'	110	-0.16708	SPS	'JONES 230KV'	243	-0.00537	-0.16171	141
SPS	'CUNNINGHAM 230KV'	110	-0.16708	SPS	'LP-BRND2 69KV'	60	-0.00597	-0.16111	141

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

Upgrade: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51971 1
Flowgate: 51966519691GEN5197111107G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	17.3	17.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MADOX 115KV'	75	-0.11884	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.32991	52
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.32732	53
SPS	'JONES 230KV'	243	-0.00782	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.21889	79
SPS	'LP-BRND2 69KV'	152	-0.00865	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.21972	79
SPS	'HARRINGTON 230KV'	360	0.00348	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.20759	83
SPS	'MOORE COUNTY 115KV'	48	0.00355	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.20752	83
SPS	'NICHOLS 115KV'	107	0.00334	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.20773	83
SPS	'NICHOLS 230KV'	107.5938	0.00344	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.20763	83
SPS	'PLANTX 115KV'	48	0.00542	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.20565	84
SPS	'TOLK 345KV'	540	0.00563	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.20544	84
SPS	'TOLK 230KV'	594.5684	0.01138	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.19969	86
SPS	'MADOX 115KV'	75	-0.11884	SPS	'PLANTX 230KV'	189	0.01071	-0.12955	133
SPS	'MADOX 115KV'	75	-0.11884	SPS	'TOLK 230KV'	1025.432	0.01138	-0.13022	133
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'TOLK 230KV'	1025.432	0.01138	-0.12763	135
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'PLANTX 230KV'	189	0.01071	-0.12696	136
SPS	'MADOX 115KV'	75	-0.11884	SPS	'CAPROCK 115KV'	79.98182	0.00653	-0.12537	138
SPS	'MADOX 115KV'	75	-0.11884	SPS	'PLANTX 115KV'	205	0.00542	-0.12426	139
SPS	'MADOX 115KV'	75	-0.11884	SPS	'WILWIND 230KV'	159.9636	0.00484	-0.12368	140
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'CAPROCK 115KV'	79.98182	0.00653	-0.12278	141
SPS	'MADOX 115KV'	75	-0.11884	SPS	'BLACKHAWK 115KV'	220	0.00338	-0.12222	141
SPS	'MADOX 115KV'	75	-0.11884	SPS	'HARRINGTON 230KV'	706	0.00348	-0.12232	141
SPS	'MADOX 115KV'	75	-0.11884	SPS	'NICHOLS 115KV'	106	0.00334	-0.12218	141
SPS	'MADOX 115KV'	75	-0.11884	SPS	'NICHOLS 230KV'	136.4062	0.00344	-0.12228	141
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'PLANTX 115KV'	205	0.00542	-0.12167	142
SPS	'MADOX 115KV'	75	-0.11884	SPS	'STEER WATER 115KV'	79.98182	0.00323	-0.12207	142
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'WILWIND 230KV'	159.9636	0.00484	-0.12109	143
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'BLACKHAWK 115KV'	220	0.00338	-0.11963	144
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'HARRINGTON 230KV'	706	0.00348	-0.11973	144
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'NICHOLS 115KV'	106	0.00334	-0.11959	144
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'NICHOLS 230KV'	136.4062	0.00344	-0.11969	144
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'STEER WATER 115KV'	79.98182	0.00323	-0.11948	145
SPS	'MADOX 115KV'	75	-0.11884	SPS	'SAN JUAN 230KV'	119.9727	-0.00368	-0.11516	150
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'SAN JUAN 230KV'	119.9727	-0.00368	-0.11257	153
SPS	'MADOX 115KV'	75	-0.11884	SPS	'JONES 230KV'	486	-0.00782	-0.11102	156
SPS	'MADOX 115KV'	75	-0.11884	SPS	'LP-BRND2 69KV'	80	-0.00865	-0.11019	157
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'JONES 230KV'	486	-0.00782	-0.10843	159
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'LP-BRND2 69KV'	80	-0.00865	-0.1076	161
SPS	'MADOX 115KV'	75	-0.11884	SPS	'CUNNINGHAM 230KV'	306	-0.03619	-0.08265	209

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

Upgrade: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51971 1
Flowgate: 51966519691GEN5197111107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	35.6	35.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MADOX 115KV'	75	-0.11885	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.32991	108
SPS	'LP-BRND2 69KV'	152	-0.00866	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.21972	162
SPS	'JONES 230KV'	243	-0.00783	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.21889	163
SPS	'NICHOLS 115KV'	66.00001	0.00333	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.20773	171
SPS	'NICHOLS 230KV'	97	0.00343	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.20763	171
SPS	'TOLK 345KV'	540	0.00562	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.20544	173
SPS	'TOLK 230KV'	583.782	0.01137	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.19969	178

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

Upgrade: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51971 1
Flowgate: 51966519691GEN5197113107SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090487	28.0	28.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MADOX 115KV'	75	-0.11885	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.32991	85

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'CUNNINGHAM 115KV'	71	-0.11627	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.32733	86
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.32733	86
SPS	'CUNNINGHAM 230KV'	88	-0.0362	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.24726	113
SPS	'LP-BRND2 69KV'	152	-0.00866	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.21972	127
SPS	'JONES 230KV'	243	-0.00783	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.21889	128
SPS	'MOORE COUNTY 115KV'	48	0.00354	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.20752	135
SPS	'NICHOLS 115KV'	131	0.00333	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.20773	135
SPS	'NICHOLS 230KV'	244	0.00343	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.20763	135
SPS	'PLANTX 115KV'	64.2373	0.00541	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.20565	136
SPS	'TOLK 345KV'	540	0.00562	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.20544	136
SPS	'TOLK 230KV'	597.9482	0.01137	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.19969	140
SPS	'MADOX 115KV'	75	-0.11885	SPS	'TOLK 230KV'	1022.052	0.01137	-0.13022	215
SPS	'MADOX 115KV'	75	-0.11885	SPS	'PLANTX 230KV'	189	0.0107	-0.12955	216
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'TOLK 230KV'	1022.052	0.01137	-0.12764	219
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'PLANTX 230KV'	189	0.0107	-0.12697	220
SPS	'MADOX 115KV'	75	-0.11885	SPS	'CAPROCK 115KV'	79.98182	0.00652	-0.12537	223
SPS	'MADOX 115KV'	75	-0.11885	SPS	'PLANTX 115KV'	188.7627	0.00541	-0.12426	225
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'CAPROCK 115KV'	79.98182	0.00652	-0.12279	228
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'PLANTX 115KV'	188.7627	0.00541	-0.12168	230
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'WILWIND 230KV'	159.9636	0.00482	-0.12109	231
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'BLACKHAWK 115KV'	220	0.00336	-0.11963	234
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'HARRINGTON 230KV'	1066	0.00347	-0.11974	234
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'NICHOLS 115KV'	82	0.00333	-0.1196	234
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'STEER WATER 115KV'	79.98182	0.00321	-0.11948	234
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'SAN JUAN 230KV'	119.9727	-0.00369	-0.11258	249
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'JONES 230KV'	486	-0.00783	-0.10844	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

Upgrade: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51971 1
Flowgate: 51966519691GEN5197113407FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	35.6	35.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MADOX 115KV'	126.6467	-0.11882	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.32992	108
SPS	'CUNNINGHAM 115KV'	71	-0.11623	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.32733	109
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.32733	109
SPS	'CUNNINGHAM 230KV'	306	-0.03618	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.24728	144
SPS	'LP-BRND2 69KV'	172	-0.00846	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.21956	162
SPS	'JONES 230KV'	243	-0.00762	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.21872	163
SPS	'NICHOLS 115KV'	213	0.00324	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20786	171
SPS	'NICHOLS 230KV'	244	0.00334	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20776	171
SPS	'PLANTX 115KV'	253	0.00515	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20595	173
SPS	'TOLK 345KV'	540	0.00558	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20552	173
SPS	'PLANTX 230KV'	189	0.01063	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20047	178
SPS	'TOLK 230KV'	600.877	0.01133	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.19977	178
SPS	'MADOX 115KV'	126.6467	-0.11882	SPS	'TOLK 230KV'	1019.123	0.01133	-0.13015	273
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'TOLK 230KV'	1019.123	0.01133	-0.12756	279
SPS	'MADOX 115KV'	126.6467	-0.11882	SPS	'BLACKHAWK 115KV'	220	0.00328	-0.1221	291
SPS	'MADOX 115KV'	126.6467	-0.11882	SPS	'HARRINGTON 230KV'	1066	0.00338	-0.1222	291
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'BLACKHAWK 115KV'	220	0.00328	-0.11951	298
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'HARRINGTON 230KV'	1066	0.00338	-0.11961	298
SPS	'MADOX 115KV'	126.6467	-0.11882	SPS	'JONES 230KV'	486	-0.00762	-0.1112	320
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'JONES 230KV'	486	-0.00762	-0.10861	328
SPS	'CUNNINGHAM 230KV'	306	-0.03618	SPS	'TOLK 230KV'	1019.123	0.01133	-0.04751	749
SPS	'CUNNINGHAM 230KV'	306	-0.03618	SPS	'HARRINGTON 230KV'	1066	0.00338	-0.03956	900

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

Upgrade: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51971 1
Flowgate: 51966519691GEN5197113407WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	23.1	23.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.60911	38
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'TOLK 230KV'	1022.867	0.01133	-0.40934	56
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'CAPROCK 115KV'	24	0.00647	-0.40448	57
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'HARRINGTON 230KV'	1066	0.00338	-0.40139	57
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'WILWIND 230KV'	48	0.00474	-0.40275	57
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'BLACKHAWK 115KV'	220	0.00328	-0.40129	58
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'CZ 69KV'	35	0.00301	-0.40102	58
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'STEER WATER 115KV'	24	0.00313	-0.40114	58
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'JONES 230KV'	243	-0.00762	-0.39039	59
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'LP-BRND2 69KV'	60	-0.00846	-0.38955	59
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'SAN JUAN 230KV'	36	-0.00372	-0.39429	59
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'CUNNINGHAM 230KV'	196	-0.03617	-0.36184	64
SPS	'MADOX 115KV'	104.8643	-0.11882	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.32992	70
SPS	'CUNNINGHAM 115KV'	71	-0.11623	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.32733	71
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.32733	71
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'MADOX 115KV'	88.13574	-0.11882	-0.27919	83
SPS	'CUNNINGHAM 230KV'	110	-0.03617	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.24727	93
SPS	'LP-BRND2 69KV'	172	-0.00846	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.21956	105
SPS	'JONES 230KV'	486	-0.00762	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.21872	106
SPS	'MOORE COUNTY 115KV'	48	0.00346	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20764	111
SPS	'NICHOLS 115KV'	213	0.00324	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20786	111
SPS	'NICHOLS 230KV'	244	0.00334	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20776	111
SPS	'PLANTX 115KV'	253	0.00516	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20594	112

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'TOLK 345KV'	540	0.00558	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20552	112
SPS	'PLANTX 230KV'	189	0.01064	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20046	115
SPS	'TOLK 230KV'	597.1328	0.01133	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.19977	116
SPS	'MADOX 115KV'	104.8643	-0.11882	SPS	'TOLK 230KV'	1022.867	0.01133	-0.13015	177
SPS	'CUNNINGHAM 115KV'	71	-0.11623	SPS	'TOLK 230KV'	1022.867	0.01133	-0.12756	181
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'TOLK 230KV'	1022.867	0.01133	-0.12756	181
SPS	'MADOX 115KV'	104.8643	-0.11882	SPS	'BLACKHAWK 115KV'	220	0.00328	-0.1221	189
SPS	'MADOX 115KV'	104.8643	-0.11882	SPS	'HARRINGTON 230KV'	1066	0.00338	-0.1222	189
SPS	'CUNNINGHAM 115KV'	71	-0.11623	SPS	'BLACKHAWK 115KV'	220	0.00328	-0.11951	193
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'BLACKHAWK 115KV'	220	0.00328	-0.11951	193
SPS	'CUNNINGHAM 115KV'	71	-0.11623	SPS	'HARRINGTON 230KV'	1066	0.00338	-0.11961	193
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'HARRINGTON 230KV'	1066	0.00338	-0.11961	193
SPS	'MADOX 115KV'	104.8643	-0.11882	SPS	'JONES 230KV'	243	-0.00762	-0.1112	208
SPS	'CUNNINGHAM 115KV'	71	-0.11623	SPS	'JONES 230KV'	243	-0.00762	-0.10861	212
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'JONES 230KV'	243	-0.00762	-0.10861	212
SPS	'MADOX 115KV'	104.8643	-0.11882	SPS	'CUNNINGHAM 230KV'	196	-0.03617	-0.08265	279
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'CUNNINGHAM 230KV'	196	-0.03617	-0.08006	288

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

Upgrade: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51972 1
Flowgate: 51966519691GEN5197211107G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	16.3	16.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.32732	50
SPS	'MADOX 115KV'	75	-0.11884	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.32991	50
SPS	'LP-BRND2 69KV'	152	-0.00865	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.21972	74
SPS	'JONES 230KV'	243	-0.00782	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.21889	75
SPS	'HARRINGTON 230KV'	360	0.00348	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.20759	79
SPS	'MOORE COUNTY 115KV'	48	0.00355	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.20752	79
SPS	'NICHOLS 115KV'	107	0.00334	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.20773	79
SPS	'NICHOLS 230KV'	107.5938	0.00344	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.20763	79
SPS	'PLANTX 115KV'	48	0.00542	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.20565	79
SPS	'TOLK 345KV'	540	0.00563	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.20544	80
SPS	'TOLK 230KV'	594.5684	0.01138	SPS	'MUSTG5 118.0 230KV'	210	0.21107	-0.19969	82
SPS	'MADOX 115KV'	75	-0.11884	SPS	'TOLK 230KV'	1025.432	0.01138	-0.13022	125
SPS	'MADOX 115KV'	75	-0.11884	SPS	'PLANTX 230KV'	189	0.01071	-0.12955	126
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'TOLK 230KV'	1025.432	0.01138	-0.12763	128
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'PLANTX 230KV'	189	0.01071	-0.12696	129
SPS	'MADOX 115KV'	75	-0.11884	SPS	'CAPROCK 115KV'	79.98182	0.00653	-0.12537	130
SPS	'MADOX 115KV'	75	-0.11884	SPS	'PLANTX 115KV'	205	0.00542	-0.12426	131
SPS	'MADOX 115KV'	75	-0.11884	SPS	'WILWIND 230KV'	159.9636	0.00484	-0.12368	132
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'CAPROCK 115KV'	79.98182	0.00653	-0.12278	133
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'PLANTX 115KV'	205	0.00542	-0.12167	134
SPS	'MADOX 115KV'	75	-0.11884	SPS	'BLACKHAWK 115KV'	220	0.00338	-0.12222	134
SPS	'MADOX 115KV'	75	-0.11884	SPS	'HARRINGTON 230KV'	706	0.00348	-0.12232	134
SPS	'MADOX 115KV'	75	-0.11884	SPS	'NICHOLS 115KV'	106	0.00334	-0.12218	134
SPS	'MADOX 115KV'	75	-0.11884	SPS	'NICHOLS 230KV'	136.4062	0.00344	-0.12228	134
SPS	'MADOX 115KV'	75	-0.11884	SPS	'STEER WATER 115KV'	79.98182	0.00323	-0.12207	134
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'WILWIND 230KV'	159.9636	0.00484	-0.12109	135
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'HARRINGTON 230KV'	706	0.00348	-0.11973	136
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'BLACKHAWK 115KV'	220	0.00338	-0.11963	137
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'NICHOLS 115KV'	106	0.00334	-0.11959	137
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'NICHOLS 230KV'	136.4062	0.00344	-0.11969	137
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'STEER WATER 115KV'	79.98182	0.00323	-0.11948	137
SPS	'MADOX 115KV'	75	-0.11884	SPS	'SAN JUAN 230KV'	119.9727	-0.00368	-0.11516	142
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'SAN JUAN 230KV'	119.9727	-0.00368	-0.11257	145
SPS	'MADOX 115KV'	75	-0.11884	SPS	'JONES 230KV'	486	-0.00782	-0.11102	147
SPS	'MADOX 115KV'	75	-0.11884	SPS	'LP-BRND2 69KV'	80	-0.00865	-0.11019	148
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'JONES 230KV'	486	-0.00782	-0.10843	151
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'LP-BRND2 69KV'	80	-0.00865	-0.1076	152
SPS	'MADOX 115KV'	75	-0.11884	SPS	'CUNNINGHAM 230KV'	306	-0.03619	-0.08265	198
SPS	'CUNNINGHAM 115KV'	71	-0.11625	SPS	'CUNNINGHAM 230KV'	306	-0.03619	-0.08006	204

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

Upgrade: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51972 1
Flowgate: 51966519691GEN5197213107SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090487	27.3	27.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	71	-0.11627	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.32733	83
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.32733	83
SPS	'MADOX 115KV'	75	-0.11885	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.32991	83
SPS	'CUNNINGHAM 230KV'	88	-0.0362	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.24726	110
SPS	'LP-BRND2 69KV'	152	-0.00866	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.21972	124
SPS	'JONES 230KV'	243	-0.00783	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.21889	125
SPS	'MOORE COUNTY 115KV'	48	0.00354	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.20752	131
SPS	'NICHOLS 115KV'	131	0.00333	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.20773	131
SPS	'NICHOLS 230KV'	244	0.00343	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.20763	131
SPS	'PLANTX 115KV'	64.2373	0.00541	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.20565	133
SPS	'TOLK 345KV'	540	0.00562	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.20544	133
SPS	'TOLK 230KV'	597.9482	0.01137	SPS	'MUSTG5 118.0 230KV'	210	0.21106	-0.19969	137
SPS	'MADOX 115KV'	75	-0.11885	SPS	'TOLK 230KV'	1022.052	0.01137	-0.13022	210
SPS	'MADOX 115KV'	75	-0.11885	SPS	'PLANTX 230KV'	189	0.0107	-0.12955	211
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'TOLK 230KV'	1022.052	0.01137	-0.12764	214

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'PLANTX 230KV'	189	0.0107	-0.12697	215
SPS	'MADOX 115KV'	75	-0.11885	SPS	'CAPROCK 115KV'	79.98182	0.00652	-0.12537	218
SPS	'MADOX 115KV'	75	-0.11885	SPS	'PLANTX 115KV'	188.7627	0.00541	-0.12426	220
SPS	'MADOX 115KV'	75	-0.11885	SPS	'WILWIND 230KV'	159.9636	0.00482	-0.12367	221
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'CAPROCK 115KV'	79.98182	0.00652	-0.12279	222
SPS	'MADOX 115KV'	75	-0.11885	SPS	'BLACKHAWK 115KV'	220	0.00336	-0.12221	223
SPS	'MADOX 115KV'	75	-0.11885	SPS	'HARRINGTON 230KV'	1066	0.00347	-0.12232	223
SPS	'MADOX 115KV'	75	-0.11885	SPS	'NICHOLS 115KV'	82	0.00333	-0.12218	223
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'PLANTX 115KV'	188.7627	0.00541	-0.12168	224
SPS	'MADOX 115KV'	75	-0.11885	SPS	'STEER WATER 115KV'	79.98182	0.00321	-0.12206	224
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'WILWIND 230KV'	159.9636	0.00482	-0.12109	225
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'BLACKHAWK 115KV'	220	0.00336	-0.11963	228
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'HARRINGTON 230KV'	1066	0.00347	-0.11974	228
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'NICHOLS 115KV'	82	0.00333	-0.1196	228
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'STEER WATER 115KV'	79.98182	0.00321	-0.11948	228
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'SAN JUAN 230KV'	119.9727	-0.00369	-0.11258	242
SPS	'CUNNINGHAM 115KV'	110	-0.11627	SPS	'JONES 230KV'	486	-0.00783	-0.10844	252

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

Upgrade: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51972 1
Flowgate: 51966519691GEN5197213107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	35.6	35.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MADOX 115KV'	75	-0.11885	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.32991	108
SPS	'CUNNINGHAM 115KV'	71	-0.11626	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.32732	109
SPS	'LP-BRND2 69KV'	152	-0.00866	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.21972	162
SPS	'JONES 230KV'	243	-0.00783	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.21889	163
SPS	'NICHOLS 115KV'	66.00001	0.00333	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.20773	171
SPS	'NICHOLS 230KV'	134.6729	0.00343	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.20763	171
SPS	'TOLK 345KV'	540	0.00562	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.20544	173
SPS	'TOLK 230KV'	591.5715	0.01137	SPS	'MUSTG5 118.0 230KV'	360	0.21106	-0.19969	178

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

Upgrade: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51972 1
Flowgate: 51966519691GEN5197213407FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	35.6	35.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MADOX 115KV'	126.6467	-0.11882	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.32992	108
SPS	'CUNNINGHAM 115KV'	71	-0.11623	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.32733	109
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.32733	109
SPS	'CUNNINGHAM 230KV'	306	-0.03618	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.24728	144
SPS	'LP-BRND2 69KV'	172	-0.00846	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.21956	162
SPS	'JONES 230KV'	243	-0.00762	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.21872	163
SPS	'NICHOLS 115KV'	213	0.00324	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20786	171
SPS	'NICHOLS 230KV'	244	0.00334	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20776	171
SPS	'PLANTX 115KV'	253	0.00515	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20595	173
SPS	'TOLK 345KV'	540	0.00558	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20552	173
SPS	'PLANTX 230KV'	189	0.01063	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20047	178
SPS	'TOLK 230KV'	600.877	0.01133	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.19977	178
SPS	'MADOX 115KV'	126.6467	-0.11882	SPS	'TOLK 230KV'	1019.123	0.01133	-0.13015	273
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'TOLK 230KV'	1019.123	0.01133	-0.12756	279
SPS	'MADOX 115KV'	126.6467	-0.11882	SPS	'BLACKHAWK 115KV'	220	0.00328	-0.1221	291
SPS	'MADOX 115KV'	126.6467	-0.11882	SPS	'HARRINGTON 230KV'	1066	0.00338	-0.1222	291
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'BLACKHAWK 115KV'	220	0.00328	-0.11951	298
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'HARRINGTON 230KV'	1066	0.00338	-0.11961	298
SPS	'MADOX 115KV'	126.6467	-0.11882	SPS	'JONES 230KV'	486	-0.00762	-0.1112	320
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'JONES 230KV'	486	-0.00762	-0.10861	328
SPS	'CUNNINGHAM 230KV'	306	-0.03618	SPS	'TOLK 230KV'	1019.123	0.01133	-0.04751	749
SPS	'CUNNINGHAM 230KV'	306	-0.03618	SPS	'HARRINGTON 230KV'	1066	0.00338	-0.03956	900

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

Upgrade: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51972 1
Flowgate: 51966519691GEN5197213407WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	22.4	22.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.60911	37
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'CAPROCK 115KV'	24	0.00647	-0.40448	55
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'TOLK 230KV'	1022.867	0.01133	-0.40934	55
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'BLACKHAWK 115KV'	220	0.00328	-0.40129	56
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'CZ 69KV'	35	0.00301	-0.40102	56
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'HARRINGTON 230KV'	1066	0.00338	-0.40139	56

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'STEER WATER 115KV'	24	0.00313	-0.40114	56
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'WILWIND 230KV'	48	0.00474	-0.40275	56
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'JONES 230KV'	243	-0.00762	-0.39039	57
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'LP-BRND2 69KV'	60	-0.00846	-0.38955	57
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'SAN JUAN 230KV'	36	-0.00372	-0.39429	57
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'CUNNINGHAM 230KV'	196	-0.03617	-0.36184	62
SPS	'CUNNINGHAM 115KV'	71	-0.11623	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.32733	68
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.32733	68
SPS	'MADOX 115KV'	104.8643	-0.11882	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.32992	68
SPS	'MUSTANG 115KV'	29	-0.39801	SPS	'MADOX 115KV'	88.13574	-0.11882	-0.27919	80
SPS	'CUNNINGHAM 230KV'	110	-0.03617	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.24727	90
SPS	'JONES 230KV'	486	-0.00762	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.21872	102
SPS	'LP-BRND2 69KV'	172	-0.00846	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.21956	102
SPS	'MOORE COUNTY 115KV'	48	0.00346	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20764	108
SPS	'NICHOLS 115KV'	213	0.00324	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20786	108
SPS	'NICHOLS 230KV'	244	0.00334	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20776	108
SPS	'PLANTX 115KV'	253	0.00516	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20594	109
SPS	'TOLK 345KV'	540	0.00558	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20552	109
SPS	'PLANTX 230KV'	189	0.01064	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.20046	112
SPS	'TOLK 230KV'	597.1328	0.01133	SPS	'MUSTG5 118.0 230KV'	210	0.2111	-0.19977	112
SPS	'MADOX 115KV'	104.8643	-0.11882	SPS	'TOLK 230KV'	1022.867	0.01133	-0.13015	172
SPS	'CUNNINGHAM 115KV'	71	-0.11623	SPS	'TOLK 230KV'	1022.867	0.01133	-0.12756	175
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'TOLK 230KV'	1022.867	0.01133	-0.12756	175
SPS	'MADOX 115KV'	104.8643	-0.11882	SPS	'BLACKHAWK 115KV'	220	0.00328	-0.1221	183
SPS	'MADOX 115KV'	104.8643	-0.11882	SPS	'HARRINGTON 230KV'	1066	0.00338	-0.1222	183
SPS	'CUNNINGHAM 115KV'	71	-0.11623	SPS	'BLACKHAWK 115KV'	220	0.00328	-0.11951	187
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'BLACKHAWK 115KV'	220	0.00328	-0.11951	187
SPS	'CUNNINGHAM 115KV'	71	-0.11623	SPS	'HARRINGTON 230KV'	1066	0.00338	-0.11961	187
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'HARRINGTON 230KV'	1066	0.00338	-0.11961	187
SPS	'MADOX 115KV'	104.8643	-0.11882	SPS	'JONES 230KV'	243	-0.00762	-0.1112	201
SPS	'CUNNINGHAM 115KV'	71	-0.11623	SPS	'JONES 230KV'	243	-0.00762	-0.10861	206
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'JONES 230KV'	243	-0.00762	-0.10861	206
SPS	'MADOX 115KV'	104.8643	-0.11882	SPS	'CUNNINGHAM 230KV'	196	-0.03617	-0.08265	271
SPS	'CUNNINGHAM 115KV'	110	-0.11623	SPS	'CUNNINGHAM 230KV'	196	-0.03617	-0.08006	279

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

Upgrade: Mustang-San Andr-Amerada Hess 115KV
Limiting Facility: DENVER CITY INTERCHANGE N - MUSTANG STATION 115KV CKT 1
Direction: To->From
Line Outage: DENVER CITY INTERCHANGE S - MUSTANG STATION 115KV CKT 1
Flowgate: 5196051966151962519681407G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	1.9	1.9
1090695	0.1	1.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'MUSTANG 115KV'	300	0.4299	-0.59149	3
SPS	'MADOX 115KV'	75	-0.16457	SPS	'MUSTANG 115KV'	300	0.4299	-0.59447	3
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'MUSTANG 115KV'	300	0.4299	-0.50646	4
SPS	'CZ 69KV'	4	0.00112	SPS	'MUSTANG 115KV'	300	0.4299	-0.42878	4
SPS	'HARRINGTON 230KV'	360	0.00127	SPS	'MUSTANG 115KV'	300	0.4299	-0.42863	4
SPS	'HUBRCO2 69KV'	6	0.00123	SPS	'MUSTANG 115KV'	300	0.4299	-0.42867	4
SPS	'JONES 230KV'	243	-0.00227	SPS	'MUSTANG 115KV'	300	0.4299	-0.43217	4
SPS	'LP-BRND2 69KV'	152	-0.00262	SPS	'MUSTANG 115KV'	300	0.4299	-0.43252	4
SPS	'MOORE COUNTY 115KV'	48	0.00129	SPS	'MUSTANG 115KV'	300	0.4299	-0.42861	4
SPS	'NICHOLS 115KV'	129.5491	0.0012	SPS	'MUSTANG 115KV'	300	0.4299	-0.4287	4
SPS	'NICHOLS 230KV'	244	0.00125	SPS	'MUSTANG 115KV'	300	0.4299	-0.42865	4
SPS	'PLANTX 115KV'	48	0.00215	SPS	'MUSTANG 115KV'	300	0.4299	-0.42775	4
SPS	'RIVERVIEW 69KV'	23	0.00123	SPS	'MUSTANG 115KV'	300	0.4299	-0.42867	4
SPS	'SIDRCH 69KV'	6	0.00123	SPS	'MUSTANG 115KV'	300	0.4299	-0.42867	4
SPS	'TOLK 230KV'	594.7025	0.00364	SPS	'MUSTANG 115KV'	300	0.4299	-0.42626	4
SPS	'TOLK 345KV'	540	-0.00516	SPS	'MUSTANG 115KV'	300	0.4299	-0.43506	4
SPS	'TUCUMCARI 115KV'	15	-0.00271	SPS	'MUSTANG 115KV'	300	0.4299	-0.43261	4
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.31213	6
SPS	'MADOX 115KV'	75	-0.16457	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.31511	6
SPS	'MUSTG5 118.0 230KV'	150	0.15054	SPS	'MUSTANG 115KV'	300	0.4299	-0.27936	7
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.2271	8
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'PLANTX 230KV'	189	0.00434	-0.16593	11
SPS	'MADOX 115KV'	75	-0.16457	SPS	'HARRINGTON 230KV'	706	0.00127	-0.16584	11
SPS	'MADOX 115KV'	75	-0.16457	SPS	'PLANTX 115KV'	205	0.00215	-0.16672	11
SPS	'MADOX 115KV'	75	-0.16457	SPS	'PLANTX 230KV'	189	0.00434	-0.16891	11
SPS	'MADOX 115KV'	75	-0.16457	SPS	'TOLK 230KV'	1025.297	0.00364	-0.16821	11
SPS	'MADOX 115KV'	75	-0.16457	SPS	'WILWIND 230KV'	72	0.00174	-0.16631	11
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'BLACKHAWK 115KV'	220	0.00123	-0.16282	12
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'CAPROCK 115KV'	36	-0.00271	-0.15888	12
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'CZ 69KV'	35	0.00112	-0.16271	12
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'HARRINGTON 230KV'	706	0.00127	-0.16286	12
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'HUBRCO2 69KV'	5	0.00123	-0.16282	12
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'JONES 230KV'	486	-0.00227	-0.15932	12
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'LP-BRND2 69KV'	80	-0.00262	-0.15897	12
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'NICHOLS 115KV'	83.45093	0.0012	-0.16279	12
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'PLANTX 115KV'	205	0.00215	-0.16374	12
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'SIDRCH 69KV'	14	0.00123	-0.16282	12
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'STEER WATER 115KV'	36	0.00116	-0.16275	12
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'TOLK 230KV'	1025.297	0.00364	-0.16523	12
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'WILWIND 230KV'	72	0.00174	-0.16333	12
SPS	'JONES 230KV'	243	-0.00227	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.15281	12
SPS	'LP-BRND2 69KV'	152	-0.00262	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.15316	12
SPS	'MADOX 115KV'	75	-0.16457	SPS	'BLACKHAWK 115KV'	220	0.00123	-0.1658	12
SPS	'MADOX 115KV'	75	-0.16457	SPS	'CAPROCK 115KV'	36	-0.00271	-0.16186	12
SPS	'MADOX 115KV'	75	-0.16457	SPS	'CZ 69KV'	35	0.00112	-0.16569	12
SPS	'MADOX 115KV'	75	-0.16457	SPS	'HUBRCO2 69KV'	5	0.00123	-0.1658	12
SPS	'MADOX 115KV'	75	-0.16457	SPS	'JONES 230KV'	486	-0.00227	-0.1623	12
SPS	'MADOX 115KV'	75	-0.16457	SPS	'LP-BRND2 69KV'	80	-0.00262	-0.16195	12
SPS	'MADOX 115KV'	75	-0.16457	SPS	'NICHOLS 115KV'	83.45093	0.0012	-0.16577	12
SPS	'MADOX 115KV'	75	-0.16457	SPS	'SIDRCH 69KV'	14	0.00123	-0.1658	12
SPS	'MADOX 115KV'	75	-0.16457	SPS	'STEER WATER 115KV'	36	0.00116	-0.16573	12
SPS	'TOLK 345KV'	540	-0.00516	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.1557	12
SPS	'TUCUMCARI 115KV'	15	-0.00271	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.15325	12
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'SAN JUAN 230KV'	54	-0.01891	-0.14268	13

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'HARRINGTON 230KV'	360	0.00127	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.14927	13
SPS	'HUBRCO2 69KV'	6	0.00123	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.14931	13
SPS	'MADOX 115KV'	75	-0.16457	SPS	'SAN JUAN 230KV'	54	-0.01891	-0.14566	13
SPS	'MOORE COUNTY 115KV'	48	0.00129	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.14925	13
SPS	'NICHOLS 115KV'	129.5491	0.0012	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.14934	13
SPS	'NICHOLS 230KV'	244	0.00125	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.14929	13
SPS	'PLANTX 115KV'	48	0.00215	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.14839	13
SPS	'RIVERVIEW 69KV'	23	0.00123	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.14931	13
SPS	'SIDRCH 69KV'	6	0.00123	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.14931	13
SPS	'TOLK 230KV'	594.7025	0.00364	SPS	'MUSTG5 118.0 230KV'	210	0.15054	-0.1469	13
SPS	'MADOX 115KV'	75	-0.16457	SPS	'CUNNINGHAM 230KV'	306	-0.07305	-0.09152	21
SPS	'CUNNINGHAM 115KV'	71	-0.16159	SPS	'CUNNINGHAM 230KV'	306	-0.07305	-0.08854	22
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'PLANTX 115KV'	205	0.00215	-0.07871	24
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'PLANTX 230KV'	189	0.00434	-0.0809	24
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'TOLK 230KV'	1025.297	0.00364	-0.0802	24
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'WILWIND 230KV'	72	0.00174	-0.0783	24
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'BLACKHAWK 115KV'	220	0.00123	-0.07779	25
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'CZ 69KV'	35	0.00112	-0.07768	25
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'HARRINGTON 230KV'	706	0.00127	-0.07783	25
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'NICHOLS 115KV'	83.45093	0.0012	-0.07776	25
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'SIDRCH 69KV'	14	0.00123	-0.07779	25
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'STEER WATER 115KV'	36	0.00116	-0.07772	25
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'CAPROCK 115KV'	36	-0.00271	-0.07385	26
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'JONES 230KV'	486	-0.00227	-0.07429	26
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'LP-BRND2 69KV'	80	-0.00262	-0.07394	26
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'SAN JUAN 230KV'	54	-0.01891	-0.05765	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

Upgrade: Mustang-San Andr-Amerada Hess 115KV
Limiting Facility: DENVER CITY INTERCHANGE N - MUSTANG STATION 115KV CKT 1
Direction: To->From
Line Outage: DENVER CITY INTERCHANGE S - MUSTANG STATION 115KV CKT 1
Flowgate: 5196051966151962519681340 7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090487	13.0	15.1
1090695	2.1	15.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'MUSTANG 115KV'	300	0.42989	-0.59149	25
SPS	'CUNNINGHAM 115KV'	110	-0.1616	SPS	'MUSTANG 115KV'	300	0.42989	-0.59149	25
SPS	'MADOX 115KV'	75	-0.16457	SPS	'MUSTANG 115KV'	300	0.42989	-0.59446	25
SPS	'CARLSBAD 69KV'	18	-0.07657	SPS	'MUSTANG 115KV'	300	0.42989	-0.50646	30
SPS	'CUNNINGHAM 230KV'	88	-0.07306	SPS	'MUSTANG 115KV'	300	0.42989	-0.50295	30
SPS	'JONES 230KV'	243	-0.00227	SPS	'MUSTANG 115KV'	300	0.42989	-0.43216	35
SPS	'LP-BRND2 69KV'	152	-0.00262	SPS	'MUSTANG 115KV'	300	0.42989	-0.43251	35
SPS	'MOORE COUNTY 115KV'	48	0.00129	SPS	'MUSTANG 115KV'	300	0.42989	-0.4286	35
SPS	'NICHOLS 115KV'	131	0.0012	SPS	'MUSTANG 115KV'	300	0.42989	-0.42869	35
SPS	'NICHOLS 230KV'	244	0.00124	SPS	'MUSTANG 115KV'	300	0.42989	-0.42865	35
SPS	'PLANTX 115KV'	61.33887	0.00215	SPS	'MUSTANG 115KV'	300	0.42989	-0.42774	35
SPS	'RIVERVIEW 69KV'	23	0.00122	SPS	'MUSTANG 115KV'	300	0.42989	-0.42867	35
SPS	'TOLK 230KV'	595.5511	0.00363	SPS	'MUSTANG 115KV'	300	0.42989	-0.42626	35
SPS	'TOLK 345KV'	540	-0.00517	SPS	'MUSTANG 115KV'	300	0.42989	-0.43506	35
SPS	'TUCUMCARI 115KV'	15	-0.00272	SPS	'MUSTANG 115KV'	300	0.42989	-0.43261	35
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'MUSTG5 118.0 230KV'	210	0.15053	-0.31213	48
SPS	'CUNNINGHAM 115KV'	110	-0.1616	SPS	'MUSTG5 118.0 230KV'	210	0.15053	-0.31213	48
SPS	'MADOX 115KV'	75	-0.16457	SPS	'MUSTG5 118.0 230KV'	210	0.15053	-0.3151	48
SPS	'MUSTG5 118.0 230KV'	150	0.15053	SPS	'MUSTANG 115KV'	300	0.42989	-0.27936	54
SPS	'CUNNINGHAM 230KV'	88	-0.07306	SPS	'MUSTG5 118.0 230KV'	210	0.15053	-0.22359	67
SPS	'MADOX 115KV'	75	-0.16457	SPS	'PLANTX 230KV'	189	0.00433	-0.1689	89
SPS	'MADOX 115KV'	75	-0.16457	SPS	'PLANTX 115KV'	191.6611	0.00215	-0.16672	90
SPS	'MADOX 115KV'	75	-0.16457	SPS	'TOLK 230KV'	1024.449	0.00363	-0.1682	90
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'PLANTX 230KV'	189	0.00433	-0.16593	91
SPS	'CUNNINGHAM 115KV'	110	-0.1616	SPS	'PLANTX 230KV'	189	0.00433	-0.16593	91
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'TOLK 230KV'	1024.449	0.00363	-0.16523	91
SPS	'CUNNINGHAM 115KV'	110	-0.1616	SPS	'TOLK 230KV'	1024.449	0.00363	-0.16523	91
SPS	'MADOX 115KV'	75	-0.16457	SPS	'BLACKHAWK 115KV'	220	0.00122	-0.16579	91
SPS	'MADOX 115KV'	75	-0.16457	SPS	'CZ 69KV'	35	0.00112	-0.16569	91
SPS	'MADOX 115KV'	75	-0.16457	SPS	'HARRINGTON 230KV'	1066	0.00126	-0.16583	91
SPS	'MADOX 115KV'	75	-0.16457	SPS	'NICHOLS 115KV'	82	0.0012	-0.16577	91
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'PLANTX 115KV'	191.6611	0.00215	-0.16375	92
SPS	'CUNNINGHAM 115KV'	110	-0.1616	SPS	'PLANTX 115KV'	191.6611	0.00215	-0.16375	92
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'BLACKHAWK 115KV'	220	0.00122	-0.16282	93
SPS	'CUNNINGHAM 115KV'	110	-0.1616	SPS	'BLACKHAWK 115KV'	220	0.00122	-0.16282	93
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'CZ 69KV'	35	0.00112	-0.16272	93
SPS	'CUNNINGHAM 115KV'	110	-0.1616	SPS	'CZ 69KV'	35	0.00112	-0.16272	93
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'HARRINGTON 230KV'	1066	0.00126	-0.16286	93
SPS	'CUNNINGHAM 115KV'	110	-0.1616	SPS	'HARRINGTON 230KV'	1066	0.00126	-0.16286	93
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'NICHOLS 115KV'	82	0.0012	-0.1628	93
SPS	'CUNNINGHAM 115KV'	110	-0.1616	SPS	'NICHOLS 115KV'	82	0.0012	-0.1628	93
SPS	'MADOX 115KV'	75	-0.16457	SPS	'JONES 230KV'	486	-0.00227	-0.1623	93
SPS	'MADOX 115KV'	75	-0.16457	SPS	'LP-BRND2 69KV'	80	-0.00262	-0.16195	93
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'JONES 230KV'	486	-0.00227	-0.15933	95
SPS	'CUNNINGHAM 115KV'	110	-0.1616	SPS	'JONES 230KV'	486	-0.00227	-0.15933	95
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'LP-BRND2 69KV'	80	-0.00262	-0.15898	95
SPS	'CUNNINGHAM 115KV'	110	-0.1616	SPS	'LP-BRND2 69KV'	80	-0.00262	-0.15898	95
SPS	'TOLK 345KV'	540	-0.00517	SPS	'MUSTG5 118.0 230KV'	210	0.15053	-0.1557	97
SPS	'LP-BRND2 69KV'	152	-0.00262	SPS	'MUSTG5 118.0 230KV'	210	0.15053	-0.15315	98
SPS	'JONES 230KV'	243	-0.00227	SPS	'MUSTG5 118.0 230KV'	210	0.15053	-0.1528	99
SPS	'MOORE COUNTY 115KV'	48	0.00129	SPS	'MUSTG5 118.0 230KV'	210	0.15053	-0.14924	101
SPS	'NICHOLS 115KV'	131	0.0012	SPS	'MUSTG5 118.0 230KV'	210	0.15053	-0.14933	101
SPS	'NICHOLS 230KV'	244	0.00124	SPS	'MUSTG5 118.0 230KV'	210	0.15053	-0.14929	101
SPS	'PLANTX 115KV'	61.33887	0.00215	SPS	'MUSTG5 118.0 230KV'	210	0.15053	-0.14838	102
SPS	'TOLK 230KV'	595.5511	0.00363	SPS	'MUSTG5 118.0 230KV'	210	0.15053	-0.1469	103
SPS	'MADOX 115KV'	75	-0.16457	SPS	'CUNNINGHAM 230KV'	218	-0.07306	-0.09151	165
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'CUNNINGHAM 230KV'	218	-0.07306	-0.08854	170
SPS	'CUNNINGHAM 115KV'	110	-0.1616	SPS	'CUNNINGHAM 230KV'	218	-0.07306	-0.08854	170
SPS	'CUNNINGHAM 230KV'	88	-0.07306	SPS	'PLANTX 230KV'	189	0.00433	-0.07739	195
SPS	'CUNNINGHAM 230KV'	88	-0.07306	SPS	'TOLK 230KV'	1024.449	0.00363	-0.07669	197
SPS	'CUNNINGHAM 230KV'	88	-0.07306	SPS	'PLANTX 115KV'	191.6611	0.00215	-0.07521	200
SPS	'CUNNINGHAM 230KV'	88	-0.07306	SPS	'BLACKHAWK 115KV'	220	0.00122	-0.07428	203

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'CUNNINGHAM 230KV'	88	-0.07306	SPS	'HARRINGTON 230KV'	1066	0.00126	-0.07432	203
SPS	'CUNNINGHAM 230KV'	88	-0.07306	SPS	'NICHOLS 115KV'	82	0.0012	-0.07426	203
SPS	'CUNNINGHAM 230KV'	88	-0.07306	SPS	'JONES 230KV'	486	-0.00227	-0.07079	213
SPS	'CUNNINGHAM 230KV'	88	-0.07306	SPS	'LP-BRND2 69KV'	80	-0.00262	-0.07044	214

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

Upgrade: Mustang-San Andr-Amerada Hess 115KV
Limiting Facility: DENVER CITY INTERCHANGE N - MUSTANG STATION 115KV CKT 1
Direction: To->From
Line Outage: DENVER CITY INTERCHANGE S - MUSTANG STATION 115KV CKT 1
Flowgate: 519605196615196251968134O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	23.8	26.9
1090695	3.0	26.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'MUSTANG 115KV'	300	0.42989	-0.59149	45
SPS	'MADOX 115KV'	75	-0.16457	SPS	'MUSTANG 115KV'	300	0.42989	-0.59446	45
SPS	'CARLSBAD 69KV'	18	-0.07656	SPS	'MUSTANG 115KV'	300	0.42989	-0.50645	53
SPS	'JONES 230KV'	243	-0.00227	SPS	'MUSTANG 115KV'	300	0.42989	-0.43216	62
SPS	'LP-BRND2 69KV'	152	-0.00262	SPS	'MUSTANG 115KV'	300	0.42989	-0.43251	62
SPS	'TOLK 345KV'	540	-0.00517	SPS	'MUSTANG 115KV'	300	0.42989	-0.43506	62
SPS	'NICHOLS 115KV'	66.00001	0.0012	SPS	'MUSTANG 115KV'	300	0.42989	-0.42869	63
SPS	'NICHOLS 230KV'	127.6196	0.00125	SPS	'MUSTANG 115KV'	300	0.42989	-0.42864	63
SPS	'PLANTX 115KV'	48	0.00215	SPS	'MUSTANG 115KV'	300	0.42989	-0.42774	63
SPS	'RIVERVIEW 69KV'	23	0.00122	SPS	'MUSTANG 115KV'	300	0.42989	-0.42867	63
SPS	'TOLK 230KV'	587.1002	0.00363	SPS	'MUSTANG 115KV'	300	0.42989	-0.42626	63
SPS	'MADOX 115KV'	75	-0.16457	SPS	'MUSTG5 118.0 230KV'	360	0.15053	-0.3151	85
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'MUSTG5 118.0 230KV'	360	0.15053	-0.31213	86
SPS	'MADOX 115KV'	75	-0.16457	SPS	'PLANTX 230KV'	189	0.00433	-0.1689	159
SPS	'MADOX 115KV'	75	-0.16457	SPS	'TOLK 230KV'	1032.9	0.00363	-0.1682	160
SPS	'MADOX 115KV'	75	-0.16457	SPS	'PLANTX 115KV'	205	0.00215	-0.16672	161
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'PLANTX 230KV'	189	0.00433	-0.16593	162
SPS	'MADOX 115KV'	75	-0.16457	SPS	'BLACKHAWK 115KV'	220	0.00122	-0.16579	162
SPS	'MADOX 115KV'	75	-0.16457	SPS	'HARRINGTON 230KV'	1066	0.00126	-0.16583	162
SPS	'MADOX 115KV'	75	-0.16457	SPS	'NICHOLS 115KV'	147	0.0012	-0.16577	162
SPS	'MADOX 115KV'	75	-0.16457	SPS	'NICHOLS 230KV'	116.3804	0.00125	-0.16582	162
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'TOLK 230KV'	1032.9	0.00363	-0.16523	163
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'PLANTX 115KV'	205	0.00215	-0.16375	164
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'BLACKHAWK 115KV'	220	0.00122	-0.16282	165
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'HARRINGTON 230KV'	1066	0.00126	-0.16286	165
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'NICHOLS 115KV'	147	0.0012	-0.1628	165
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'NICHOLS 230KV'	116.3804	0.00125	-0.16285	165
SPS	'MADOX 115KV'	75	-0.16457	SPS	'JONES 230KV'	486	-0.00227	-0.1623	165
SPS	'MADOX 115KV'	75	-0.16457	SPS	'LP-BRND2 69KV'	80	-0.00262	-0.16195	166
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'JONES 230KV'	486	-0.00227	-0.15933	169
SPS	'CUNNINGHAM 115KV'	71	-0.1616	SPS	'LP-BRND2 69KV'	80	-0.00262	-0.15898	169
SPS	'TOLK 345KV'	540	-0.00517	SPS	'MUSTG5 118.0 230KV'	360	0.15053	-0.1557	172
SPS	'LP-BRND2 69KV'	152	-0.00262	SPS	'MUSTG5 118.0 230KV'	360	0.15053	-0.15315	175
SPS	'JONES 230KV'	243	-0.00227	SPS	'MUSTG5 118.0 230KV'	360	0.15053	-0.1528	176
SPS	'NICHOLS 115KV'	66.00001	0.0012	SPS	'MUSTG5 118.0 230KV'	360	0.15053	-0.14933	180
SPS	'NICHOLS 230KV'	127.6196	0.00125	SPS	'MUSTG5 118.0 230KV'	360	0.15053	-0.14928	180
SPS	'TOLK 230KV'	587.1002	0.00363	SPS	'MUSTG5 118.0 230KV'	360	0.15053	-0.1469	183

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

Upgrade: Mustang-San Andr-Amerada Hess 115KV
Limiting Facility: DENVER CITY INTERCHANGE S - MUSTANG STATION 115KV CKT 1
Direction: To->From
Line Outage: DENVER CITY INTERCHANGE N - MUSTANG STATION 115KV CKT 1
Flowgate: 519625196815196051966134O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090487	9.5	11.0
1090695	1.5	11.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'MUSTANG 115KV'	300	0.4299	-0.59061	19
SPS	'CUNNINGHAM 115KV'	110	-0.16071	SPS	'MUSTANG 115KV'	300	0.4299	-0.59061	19
SPS	'MADOX 115KV'	75	-0.16388	SPS	'MUSTANG 115KV'	300	0.4299	-0.59378	19
SPS	'CARLSBAD 69KV'	18	-0.07641	SPS	'MUSTANG 115KV'	300	0.4299	-0.50631	22
SPS	'CUNNINGHAM 230KV'	88	-0.07309	SPS	'MUSTANG 115KV'	300	0.4299	-0.50299	22
SPS	'JONES 230KV'	243	-0.00213	SPS	'MUSTANG 115KV'	300	0.4299	-0.43203	25
SPS	'LP-BRND2 69KV'	152	-0.00246	SPS	'MUSTANG 115KV'	300	0.4299	-0.43236	25
SPS	'TOLK 345KV'	540	-0.00535	SPS	'MUSTANG 115KV'	300	0.4299	-0.43525	25
SPS	'TUCUMCARI 115KV'	15	-0.00289	SPS	'MUSTANG 115KV'	300	0.4299	-0.43279	25
SPS	'MOORE COUNTY 115KV'	48	0.00122	SPS	'MUSTANG 115KV'	300	0.4299	-0.42868	26
SPS	'NICHOLS 115KV'	131	0.00114	SPS	'MUSTANG 115KV'	300	0.4299	-0.42876	26
SPS	'NICHOLS 230KV'	244	0.00118	SPS	'MUSTANG 115KV'	300	0.4299	-0.42872	26
SPS	'PLANTX 115KV'	61.33887	0.00205	SPS	'MUSTANG 115KV'	300	0.4299	-0.42785	26
SPS	'RIVERVIEW 69KV'	23	0.00116	SPS	'MUSTANG 115KV'	300	0.4299	-0.42874	26
SPS	'TOLK 230KV'	595.5511	0.00342	SPS	'MUSTANG 115KV'	300	0.4299	-0.42648	26
SPS	'MADOX 115KV'	75	-0.16388	SPS	'MUSTG5 118.0 230KV'	210	0.14749	-0.31137	35
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'MUSTG5 118.0 230KV'	210	0.14749	-0.3082	36
SPS	'CUNNINGHAM 115KV'	110	-0.16071	SPS	'MUSTG5 118.0 230KV'	210	0.14749	-0.3082	36
SPS	'MUSTG5 118.0 230KV'	150	0.14749	SPS	'MUSTANG 115KV'	300	0.4299	-0.28241	39
SPS	'CARLSBAD 69KV'	18	-0.07641	SPS	'MUSTG5 118.0 230KV'	210	0.14749	-0.2239	49
SPS	'CUNNINGHAM 230KV'	88	-0.07309	SPS	'MUSTG5 118.0 230KV'	210	0.14749	-0.22058	50
SPS	'MADOX 115KV'	75	-0.16388	SPS	'PLANTX 115KV'	191.6611	0.00205	-0.16593	66
SPS	'MADOX 115KV'	75	-0.16388	SPS	'PLANTX 230KV'	189	0.00415	-0.16803	66
SPS	'MADOX 115KV'	75	-0.16388	SPS	'TOLK 230KV'	1024.449	0.00342	-0.1673	66
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'PLANTX 230KV'	189	0.00415	-0.16486	67
SPS	'CUNNINGHAM 115KV'	110	-0.16071	SPS	'PLANTX 230KV'	189	0.00415	-0.16486	67
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'TOLK 230KV'	1024.449	0.00342	-0.16413	67
SPS	'CUNNINGHAM 115KV'	110	-0.16071	SPS	'TOLK 230KV'	1024.449	0.00342	-0.16413	67

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'MADOX 115KV'	75	-0.16388	SPS	'BLACKHAWK 115KV'	220	0.00116	-0.16504	67
SPS	'MADOX 115KV'	75	-0.16388	SPS	'CZ 69KV'	35	0.00106	-0.16494	67
SPS	'MADOX 115KV'	75	-0.16388	SPS	'HARRINGTON 230KV'	1066	0.0012	-0.16508	67
SPS	'MADOX 115KV'	75	-0.16388	SPS	'NICHOLS 115KV'	82	0.00114	-0.16502	67
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'BLACKHAWK 115KV'	220	0.00116	-0.16187	68
SPS	'CUNNINGHAM 115KV'	110	-0.16071	SPS	'BLACKHAWK 115KV'	220	0.00116	-0.16187	68
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'CZ 69KV'	35	0.00106	-0.16177	68
SPS	'CUNNINGHAM 115KV'	110	-0.16071	SPS	'CZ 69KV'	35	0.00106	-0.16177	68
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'HARRINGTON 230KV'	1066	0.0012	-0.16191	68
SPS	'CUNNINGHAM 115KV'	110	-0.16071	SPS	'HARRINGTON 230KV'	1066	0.0012	-0.16191	68
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'NICHOLS 115KV'	82	0.00114	-0.16185	68
SPS	'CUNNINGHAM 115KV'	110	-0.16071	SPS	'NICHOLS 115KV'	82	0.00114	-0.16185	68
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'PLANTX 115KV'	191.6611	0.00205	-0.16276	68
SPS	'CUNNINGHAM 115KV'	110	-0.16071	SPS	'PLANTX 115KV'	191.6611	0.00205	-0.16276	68
SPS	'MADOX 115KV'	75	-0.16388	SPS	'JONES 230KV'	486	-0.00213	-0.16175	68
SPS	'MADOX 115KV'	75	-0.16388	SPS	'LP-BRND2 69KV'	80	-0.00246	-0.16142	68
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'JONES 230KV'	486	-0.00213	-0.15858	69
SPS	'CUNNINGHAM 115KV'	110	-0.16071	SPS	'JONES 230KV'	486	-0.00213	-0.15858	69
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'LP-BRND2 69KV'	80	-0.00246	-0.15825	70
SPS	'CUNNINGHAM 115KV'	110	-0.16071	SPS	'LP-BRND2 69KV'	80	-0.00246	-0.15825	70
SPS	'TOLK 345KV'	540	-0.00535	SPS	'MUSTG5 118.0 230KV'	210	0.14749	-0.15284	72
SPS	'LP-BRND2 69KV'	152	-0.00246	SPS	'MUSTG5 118.0 230KV'	210	0.14749	-0.14995	73
SPS	'JONES 230KV'	243	-0.00213	SPS	'MUSTG5 118.0 230KV'	210	0.14749	-0.14962	74
SPS	'MOORE COUNTY 115KV'	48	0.00122	SPS	'MUSTG5 118.0 230KV'	210	0.14749	-0.14627	75
SPS	'NICHOLS 115KV'	131	0.00114	SPS	'MUSTG5 118.0 230KV'	210	0.14749	-0.14635	75
SPS	'NICHOLS 230KV'	244	0.00118	SPS	'MUSTG5 118.0 230KV'	210	0.14749	-0.14631	75
SPS	'PLANTX 115KV'	61.33887	0.00205	SPS	'MUSTG5 118.0 230KV'	210	0.14749	-0.14544	76
SPS	'TOLK 230KV'	595.5511	0.00342	SPS	'MUSTG5 118.0 230KV'	210	0.14749	-0.14407	76
SPS	'MADOX 115KV'	75	-0.16388	SPS	'CUNNINGHAM 230KV'	218	-0.07309	-0.09079	121
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'CUNNINGHAM 230KV'	218	-0.07309	-0.08762	126
SPS	'CUNNINGHAM 115KV'	110	-0.16071	SPS	'CUNNINGHAM 230KV'	218	-0.07309	-0.08762	126
SPS	'CUNNINGHAM 230KV'	88	-0.07309	SPS	'PLANTX 230KV'	189	0.00415	-0.07724	143
SPS	'CUNNINGHAM 230KV'	88	-0.07309	SPS	'TOLK 230KV'	1024.449	0.00342	-0.07651	144
SPS	'CUNNINGHAM 230KV'	88	-0.07309	SPS	'PLANTX 115KV'	191.6611	0.00205	-0.07514	147
SPS	'CUNNINGHAM 230KV'	88	-0.07309	SPS	'BLACKHAWK 115KV'	220	0.00116	-0.07425	148
SPS	'CUNNINGHAM 230KV'	88	-0.07309	SPS	'HARRINGTON 230KV'	1066	0.0012	-0.07429	148
SPS	'CUNNINGHAM 230KV'	88	-0.07309	SPS	'NICHOLS 115KV'	82	0.00114	-0.07423	148
SPS	'CUNNINGHAM 230KV'	88	-0.07309	SPS	'JONES 230KV'	486	-0.00213	-0.07096	155
SPS	'CUNNINGHAM 230KV'	88	-0.07309	SPS	'LP-BRND2 69KV'	80	-0.00246	-0.07063	156

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

Upgrade: Mustang-San Andr-Amerada Hess 115KV
Limiting Facility: DENVER CITY INTERCHANGE S - MUSTANG STATION 115KV CKT 1
Direction: To->From
Line Outage: DENVER CITY INTERCHANGE N - MUSTANG STATION 115KV CKT 1
Flowgate: 5196251968151960519661340 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	23.3	26.3
1090695	3.0	26.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MADOX 115KV'	75	-0.16388	SPS	'MUSTANG 115KV'	300	0.4299	-0.59378	44
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'MUSTANG 115KV'	300	0.4299	-0.59061	45
SPS	'CARLSBAD 69KV'	18	-0.07641	SPS	'MUSTANG 115KV'	300	0.4299	-0.50631	52
SPS	'TOLK 345KV'	540	-0.00535	SPS	'MUSTANG 115KV'	300	0.4299	-0.43525	60
SPS	'JONES 230KV'	243	-0.00213	SPS	'MUSTANG 115KV'	300	0.4299	-0.43203	61
SPS	'LP-BRND2 69KV'	152	-0.00246	SPS	'MUSTANG 115KV'	300	0.4299	-0.43236	61
SPS	'NICHOLS 115KV'	66.00001	0.00114	SPS	'MUSTANG 115KV'	300	0.4299	-0.42876	61
SPS	'NICHOLS 230KV'	127.6196	0.00118	SPS	'MUSTANG 115KV'	300	0.4299	-0.42872	61
SPS	'RIVERVIEW 69KV'	23	0.00116	SPS	'MUSTANG 115KV'	300	0.4299	-0.42874	61
SPS	'PLANTX 115KV'	48	0.00205	SPS	'MUSTANG 115KV'	300	0.4299	-0.42785	62
SPS	'TOLK 230KV'	587.1002	0.00342	SPS	'MUSTANG 115KV'	300	0.4299	-0.42648	62
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'MUSTG5 118.0 230KV'	360	0.14749	-0.3082	85
SPS	'MADOX 115KV'	75	-0.16388	SPS	'MUSTG5 118.0 230KV'	360	0.14749	-0.31137	85
SPS	'MADOX 115KV'	75	-0.16388	SPS	'PLANTX 230KV'	189	0.00415	-0.16803	157
SPS	'MADOX 115KV'	75	-0.16388	SPS	'TOLK 230KV'	1032.9	0.00342	-0.1673	157
SPS	'MADOX 115KV'	75	-0.16388	SPS	'PLANTX 115KV'	205	0.00205	-0.16593	159
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'PLANTX 230KV'	189	0.00415	-0.16486	160
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'TOLK 230KV'	1032.9	0.00342	-0.16413	160
SPS	'MADOX 115KV'	75	-0.16388	SPS	'BLACKHAWK 115KV'	220	0.00116	-0.16504	160
SPS	'MADOX 115KV'	75	-0.16388	SPS	'HARRINGTON 230KV'	1066	0.0012	-0.16508	160
SPS	'MADOX 115KV'	75	-0.16388	SPS	'NICHOLS 115KV'	147	0.00114	-0.16502	160
SPS	'MADOX 115KV'	75	-0.16388	SPS	'NICHOLS 230KV'	116.3804	0.00118	-0.16506	160
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'PLANTX 115KV'	205	0.00205	-0.16276	162
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'BLACKHAWK 115KV'	220	0.00116	-0.16187	163
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'HARRINGTON 230KV'	1066	0.0012	-0.16191	163
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'NICHOLS 115KV'	147	0.00114	-0.16185	163
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'NICHOLS 230KV'	116.3804	0.00118	-0.16189	163
SPS	'MADOX 115KV'	75	-0.16388	SPS	'JONES 230KV'	486	-0.00213	-0.16175	163
SPS	'MADOX 115KV'	75	-0.16388	SPS	'LP-BRND2 69KV'	80	-0.00246	-0.16142	163
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'JONES 230KV'	486	-0.00213	-0.15858	166
SPS	'CUNNINGHAM 115KV'	71	-0.16071	SPS	'LP-BRND2 69KV'	80	-0.00246	-0.15825	166
SPS	'TOLK 345KV'	540	-0.00535	SPS	'MUSTG5 118.0 230KV'	360	0.14749	-0.15284	172
SPS	'JONES 230KV'	243	-0.00213	SPS	'MUSTG5 118.0 230KV'	360	0.14749	-0.14962	176
SPS	'LP-BRND2 69KV'	152	-0.00246	SPS	'MUSTG5 118.0 230KV'	360	0.14749	-0.14995	176
SPS	'NICHOLS 115KV'	66.00001	0.00114	SPS	'MUSTG5 118.0 230KV'	360	0.14749	-0.14635	180
SPS	'NICHOLS 230KV'	127.6196	0.00118	SPS	'MUSTG5 118.0 230KV'	360	0.14749	-0.14631	180
SPS	'TOLK 230KV'	587.1002	0.00342	SPS	'MUSTG5 118.0 230KV'	360	0.14749	-0.14407	183

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

Upgrade: 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: 5754757549157547575613307SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Reservation	Relief Amount	Aggregate Relief Amount
1090609	6.0	8.8
1090609	0.9	8.8
1090609	0.4	8.8
1090609	1.1	8.8
1090609	0.5	8.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.76383	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'ABILENE ENERGY CENTER 115KV'	6.757809	-0.00235	-0.69839	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CHANUTE 69KV'	46.617	-0.0025	-0.69824	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CITY OF BURLINGTON 69KV'	7.8	-0.00437	-0.69637	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CITY OF ERIE 69KV'	22.264	-0.0025	-0.69824	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CITY OF FREDONIA 69KV'	5.225	-0.0029	-0.69784	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CITY OF IOLA 69KV'	19.865	-0.00219	-0.69855	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00377	-0.69697	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	-0.0024	-0.69834	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00437	-0.69637	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'EVANS ENERGY CENTER 138KV'	305	-0.00424	-0.6965	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00285	-0.69789	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'HOLTON 115KV'	12.2	-0.0029	-0.69784	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.00206	-0.69868	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00246	-0.69828	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00246	-0.69828	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.0024	-0.69834	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.5762	-0.00244	-0.6983	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'SOUTH SENECA 115KV'	8.5	-0.00338	-0.69736	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00249	-0.69825	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'WACO 138KV'	17.947	-0.00299	-0.69775	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.70074	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.05656	-0.64418	14

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

Upgrade: 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: 57547575491575475755613307SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	1.1	9.1
1090609	0.5	9.1
1090609	1.1	9.1
1090609	0.5	9.1
1090609	5.9	9.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.06309	-0.76383	12
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00235	-0.69839	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.00213	-0.69861	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CHANUTE 69KV'	56.723	-0.0025	-0.69824	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF BURLINGTON 69KV'	10.12	-0.00438	-0.69636	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF ERIE 69KV'	22.274	-0.0025	-0.69824	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF FREDONIA 69KV'	5.225	-0.0029	-0.69784	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF GIRARD 69KV'	4.789	-0.00123	-0.69951	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF IOLA 69KV'	24.267	-0.00219	-0.69855	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF MULVANE 69KV'	8.288	-0.00377	-0.69697	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	-0.0024	-0.69834	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.00438	-0.69636	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'EVANS ENERGY CENTER 138KV'	394.978	-0.00424	-0.6965	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00285	-0.69789	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'HOLTON 115KV'	12.2	-0.0029	-0.69784	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.00206	-0.69868	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00246	-0.69828	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00246	-0.69828	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.0024	-0.69834	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'LAWRENCE ENERGY CENTER 230KV'	234.5685	-0.00244	-0.6983	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'SOUTH SENECA 115KV'	8.5	-0.00338	-0.69736	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00249	-0.69825	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'WACO 138KV'	17.96	-0.00299	-0.69775	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.70074	WERE	'CITY OF AUGUSTA 69KV'	25.12	-0.05656	-0.64418	14

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

Upgrade: PECAN CREEK (PECANCK1) 345-161-13.8KV TRANSFORMER CKT 1, 5TRIBES-PEACAN CREEK 161KV CKT 1
Limiting Facility: PECAN CREEK (PECANCK1) 345-161-13.8KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FT SMITH - MUSKOGEE 345KV CKT 1
Flowgate: PECCANCK1275155302552241310 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1087757	0.6	0.7
1087908	0.1	0.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'FPLWND2 34KV'	102	0.036	-0.3339	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'FPLWND2 34KV'	102	0.036	-0.3339	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'HORSESHOE LAKE 138KV'	380	0.03318	-0.33108	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'HORSESHOE LAKE 138KV'	202.4424	0.03318	-0.33108	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'HORSESHOE LAKE 138KV'	91	0.03318	-0.33108	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'HORSESHOE LAKE 138KV'	380	0.03318	-0.33108	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'HORSESHOE LAKE 138KV'	202.4424	0.03318	-0.33108	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'HORSESHOE LAKE 138KV'	91	0.03318	-0.33108	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'HORSESHOE LAKE 69KV'	16	0.03025	-0.32815	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'HORSESHOE LAKE 69KV'	16	0.03025	-0.32815	2

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'MCCLAIN 138KV'	478	0.03706	-0.33496	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'MCCLAIN 138KV'	478	0.03706	-0.33496	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'MUSKOGEE 345KV'	1516	0.14386	-0.44176	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'MUSKOGEE 345KV'	1516	0.14386	-0.44176	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'MUSTANG 138KV'	365.5	0.03699	-0.33489	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'MUSTANG 138KV'	365.5	0.03699	-0.33489	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'MUSTANG 69KV'	106	0.0368	-0.3347	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'MUSTANG 69KV'	106	0.0368	-0.3347	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'ONE OAK 345KV'	336	0.03892	-0.33682	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'ONE OAK 345KV'	336	0.03892	-0.33682	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'REDBUD 345KV'	94	0.04311	-0.34101	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'REDBUD 345KV'	94	0.04311	-0.34101	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'SEMINOLE 138KV'	475.9826	0.03928	-0.33718	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'SEMINOLE 138KV'	475.9826	0.03928	-0.33718	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'SEMINOLE 345KV'	996	0.04276	-0.34066	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'SEMINOLE 345KV'	996	0.04276	-0.34066	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'SLEEPING BEAR 34KV'	120	0.03607	-0.33397	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'SLEEPING BEAR 34KV'	120	0.03607	-0.33397	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'SMITH COGEN 138KV'	110	0.03691	-0.33481	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'SMITH COGEN 138KV'	110	0.03691	-0.33481	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'SOONER 138KV'	505	0.03462	-0.33252	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'SOONER 138KV'	505	0.03462	-0.33252	2
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'SOONER 345KV'	513	0.03616	-0.33406	2
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'SOONER 345KV'	513	0.03616	-0.33406	2
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'BEAVER 161KV'	103.9511	0.01948	-0.21795	3
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'BROKEN BOW 138KV'	93.65855	0.02131	-0.21978	3
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'BULL SHOALS 161KV'	294.1839	0.00486	-0.20333	3
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'CARTHAGE 69KV'	32	0.01821	-0.21668	3
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'CLARENCE CANNON DAM 69KV'	39.4309	0.01129	-0.20976	3
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'DENISON 138KV'	59.63728	0.03199	-0.23046	3
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'KENNETT 69KV'	7.5	-0.00036	-0.19811	3
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'KEYSTONE DAM 161KV'	59.63728	0.04145	-0.23992	3
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'MALDEN 69KV'	7	0.00041	-0.19888	3
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'NORFORK 161KV'	20.01251	0.00311	-0.20158	3
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'SIKESTON 161KV'	235	0.00175	-0.20022	3
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'STOCKTON 161KV'	44.32771	0.0171	-0.21557	3
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'TABLE ROCK 161KV'	187.3171	0.01342	-0.21189	3
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'TRUMAN 161KV'	102.0638	0.01568	-0.21415	3
OKGE	'MUSKOGEE 161KV'	166	-0.2979	OKGE	'AES 161KV'	320	-0.06247	-0.23543	3
OKGE	'MUSKOGEE 161KV'	31	-0.2979	OKGE	'AES 161KV'	320	-0.06247	-0.23543	3
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'DARDANELLE 161KV'	105.2658	-0.02737	-0.1711	4
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'GREERS FERRY 161KV'	93.65855	-0.01041	-0.18806	4
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'JONESBORO 161KV'	63	-0.00251	-0.19596	4
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'PARAGOULD 69KV'	5.5	-0.0016	-0.19687	4
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'BEAVER 161KV'	103.9511	0.01948	-0.16917	4
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'BROKEN BOW 138KV'	93.65855	0.02131	-0.171	4
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'BULL SHOALS 161KV'	294.1839	0.00486	-0.15455	4
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'CARTHAGE 69KV'	32	0.01821	-0.1679	4
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'CLARENCE CANNON DAM 69KV'	39.4309	0.01129	-0.16098	4
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'DENISON 138KV'	59.63728	0.03199	-0.18168	4
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'KEYSTONE DAM 161KV'	59.63728	0.04145	-0.19114	4
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'STOCKTON 161KV'	44.32771	0.0171	-0.16679	4
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'TABLE ROCK 161KV'	187.3171	0.01342	-0.16311	4
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'TRUMAN 161KV'	102.0638	0.01568	-0.16537	4
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'BEAVER 161KV'	103.9511	0.01948	-0.16917	4
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'BROKEN BOW 138KV'	93.65855	0.02131	-0.171	4
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'BULL SHOALS 161KV'	294.1839	0.00486	-0.15455	4
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'CARTHAGE 69KV'	32	0.01821	-0.1679	4
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'CLARENCE CANNON DAM 69KV'	39.4309	0.01129	-0.16098	4
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'DENISON 138KV'	59.63728	0.03199	-0.18168	4
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'KEYSTONE DAM 161KV'	59.63728	0.04145	-0.19114	4
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'STOCKTON 161KV'	44.32771	0.0171	-0.16679	4
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'TABLE ROCK 161KV'	187.3171	0.01342	-0.16311	4
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'TRUMAN 161KV'	102.0638	0.01568	-0.16537	4
SWPA	'EUFAULA 138KV'	8.968105	-0.09213	SWPA	'KEYSTONE DAM 161KV'	59.63728	0.04145	-0.13358	5
SWPA	'EUFAULA 161KV'	4.484053	-0.09225	SWPA	'KEYSTONE DAM 161KV'	59.63728	0.04145	-0.1337	5
SWPA	'FORT GIBSON 161KV'	7.573475	-0.19847	SWPA	'OZARK 161KV'	98.06131	-0.05713	-0.14134	5
AEPW	'L&D13 69KV'	13	-0.06348	AEPW	'COGENTRIX 345KV'	665	0.06579	-0.12927	5
AEPW	'L&D13 69KV'	13	-0.06348	AEPW	'OEC 345KV'	206	0.07001	-0.13349	5
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'GREERS FERRY 161KV'	93.65855	-0.01041	-0.13928	5
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'JONESBORO 161KV'	63	-0.00251	-0.14718	5
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'KENNETT 69KV'	7.5	-0.00036	-0.14933	5
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'MALDEN 69KV'	7	0.00041	-0.1501	5
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'NORFORK 161KV'	20.01251	0.00311	-0.1528	5
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'PARAGOULD 69KV'	5.5	-0.0016	-0.14809	5
SWPA	'TENKILLER FERRY 161KV'	25.98999	-0.14969	SWPA	'SIKESTON 161KV'	235	0.00175	-0.15144	5
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'GREERS FERRY 161KV'	93.65855	-0.01041	-0.13928	5
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'JONESBORO 161KV'	63	-0.00251	-0.14718	5
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'KENNETT 69KV'	7.5	-0.00036	-0.14933	5
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'MALDEN 69KV'	7	0.00041	-0.1501	5
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'NORFORK 161KV'	20.01251	0.00311	-0.1528	5
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'PARAGOULD 69KV'	5.5	-0.0016	-0.14809	5
SWPA	'WEBBERS FALLS 161KV'	29.77548	-0.14969	SWPA	'SIKESTON 161KV'	235	0.00175	-0.15144	5
OKGE	'CONTINENTAL EMPIRE 138KV'	32	0.03462	OKGE	'MUSKOGEE 345KV'	1516	0.14386	-0.10924	6
SWPA	'EUFAULA 138KV'	8.968105	-0.09213	SWPA	'BEAVER 161KV'	103.9511	0.01948	-0.11161	6
SWPA	'EUFAULA 138KV'	8.968105	-0.09213	SWPA	'BROKEN BOW 138KV'	93.65855	0.02131	-0.11344	6
SWPA	'EUFAULA 138KV'	8.968105	-0.09213	SWPA	'CARTHAGE 69KV'	32	0.01821	-0.11034	6
SWPA	'EUFAULA 138KV'	8.968105	-0.09213	SWPA	'DENISON 138KV'	59.63728	0.03199	-0.12412	6
SWPA	'EUFAULA 138KV'	8.968105	-0.09213	SWPA	'STOCKTON 161KV'	44.32771	0.0171	-0.10923	6
SWPA	'EUFAULA 138KV'	8.968105	-0.09213	SWPA	'TRUMAN 161KV'	102.0638	0.01568	-0.10781	6

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

Upgrade: 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: 575505783715703957042144O7FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.2	2.0
1090609	0.3	2.0
1090609	0.2	2.0

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

1090609	0.3	2.0
1090609	1.0	2.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.35582	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF MULVANE 69KV'	4.891	0.01378	-0.3048	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'EVANS ENERGY CENTER 138KV'	305	0.0102	-0.30122	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'GILL ENERGY CENTER 138KV'	155	0.01043	-0.30145	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'WACO 138KV'	17.946	0.0104	-0.30142	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00495	-0.29597	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CHANUTE 69KV'	56.296	0.00402	-0.29504	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00896	-0.29998	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF FREDONIA 69KV'	5.225	0.0045	-0.29552	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF IOLA 69KV'	24.256	0.00363	-0.29465	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.00505	-0.29607	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00896	-0.29998	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'HOLTON 115KV'	8.2	0.00553	-0.29655	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'HUTCHINSON ENERGY CENTER 115KV'	72.17331	0.00451	-0.29553	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00511	-0.29613	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00509	-0.29611	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.115	0.00504	-0.29606	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'SOUTH SENECA 115KV'	8.5	0.00607	-0.29709	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00515	-0.29617	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF WELLINGTON 69KV'	20	-0.09964	-0.19138	10
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.16444	12
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00896	-0.1086	18
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'EVANS ENERGY CENTER 138KV'	305	0.0102	-0.10984	18
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'GILL ENERGY CENTER 138KV'	155	0.01043	-0.11007	18
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'SOUTH SENECA 115KV'	8.5	0.00607	-0.10571	18
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'WACO 138KV'	17.946	0.0104	-0.11004	18
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00495	-0.10459	19
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'CHANUTE 69KV'	56.296	0.00402	-0.10366	19
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'CITY OF IOLA 69KV'	24.256	0.00363	-0.10327	19
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.00505	-0.10469	19
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'HOLTON 115KV'	8.2	0.00553	-0.10517	19
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'HUTCHINSON ENERGY CENTER 115KV'	72.17331	0.00451	-0.10415	19
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00511	-0.10475	19
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00509	-0.10473	19
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.115	0.00504	-0.10468	19
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00515	-0.10479	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	0.00461	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.06019	32
WERE	'CHANUTE 69KV'	31.504	0.00402	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.06078	32
WERE	'CITY OF ERIE 69KV'	24.231	0.00402	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.06078	32
WERE	'CITY OF IOLA 69KV'	13.372	0.00363	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.06117	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	310.8267	0.00451	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.06029	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.00451	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.06029	32
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00305	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.06175	32
WERE	'SMOKYHIL 230 230KV'	72	0.0045	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.0603	32
WERE	'CLAY CENTER JUNCTION 115KV'	29.516	0.00505	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.05975	33
WERE	'HOLTON 115KV'	11.6	0.00553	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.05927	33
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00511	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.05969	33
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00509	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.05971	33
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	0.00495	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.05985	33
WERE	'LAWRENCE ENERGY CENTER 230KV'	37.88498	0.00504	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.05976	33
WERE	'TECUMSEH ENERGY CENTER 115KV'	52.99999	0.00515	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.05965	33
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00514	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.05966	33
WERE	'GILL ENERGY CENTER 69KV'	118	0.00661	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.05819	34
WERE	'LATHAM1234.0 345KV'	150	0.00982	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.05498	35
WERE	'EVANS ENERGY CENTER 138KV'	438	0.0102	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.0546	36
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.01043	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.05437	36
WERE	'GETTY 69KV'	35	0.026	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.0388	50
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.0375	OKGE	'AES 161KV'	320	-0.00249	-0.03501	56
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.0375	OKGE	'MUSKOGEE 345KV'	1516	-0.0036	-0.0339	58
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.0375	OKGE	'SEMINOLE 138KV'	461.789	-0.00691	-0.03059	64
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.0375	OKGE	'SEMINOLE 345KV'	590.52	-0.00701	-0.03049	64

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

Upgrade: 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: 5755057837157039570421440 7G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.1	1.1
1090609	0.3	1.1
1090609	0.1	1.1
1090609	0.2	1.1
1090609	0.4	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.35584	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00499	-0.29602	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'BPU - CITY OF MCPHERSON 115KV'	127.0369	0.00462	-0.29565	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CHANUTE 69KV'	40.39	0.00405	-0.29508	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00898	-0.30001	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF ERIE 69KV'	2.301	0.00405	-0.29508	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00454	-0.29557	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF GIRARD 69KV'	2.526	0.00228	-0.29331	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF IOLA 69KV'	17.08	0.00367	-0.2947	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF MULVANE 69KV'	4.922	0.01379	-0.30482	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	20.09	0.00898	-0.30001	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01021	-0.30124	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'GILL ENERGY CENTER 138KV'	155	0.01044	-0.30147	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HOLTON 115KV'	12.2	0.00556	-0.29659	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0045	-0.29553	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00514	-0.29617	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00513	-0.29616	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00498	-0.29601	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.9228	0.00507	-0.2961	4

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.00518	-0.29621	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'WACO 138KV'	18	0.01042	-0.30145	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	27.198	-0.09964	-0.19139	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.20239	6
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.16445	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF MULVANE 69KV'	4.922	0.01379	-0.15137	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00499	-0.14257	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'BPU - CITY OF MCPHERSON 115KV'	127.0369	0.00462	-0.1422	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CHANUTE 69KV'	40.39	0.00405	-0.14163	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00898	-0.14656	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00454	-0.14212	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF IOLA 69KV'	17.08	0.00367	-0.14125	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	20.09	0.00898	-0.14656	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01021	-0.14779	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'GILL ENERGY CENTER 138KV'	155	0.01044	-0.14802	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'HOLTON 115KV'	12.2	0.00556	-0.14314	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0045	-0.14208	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00514	-0.14272	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00513	-0.14271	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00498	-0.14256	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.9228	0.00507	-0.14265	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.00518	-0.14276	8
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'WACO 138KV'	18	0.01042	-0.148	8
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00898	-0.10862	10
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'CITY OF MULVANE 69KV'	4.922	0.01379	-0.11343	10
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	20.09	0.00898	-0.10862	10
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01021	-0.10985	10
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'GILL ENERGY CENTER 138KV'	155	0.01044	-0.11008	10
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'WACO 138KV'	18	0.01042	-0.11006	10
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00499	-0.10463	11
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'BPU - CITY OF MCPHERSON 115KV'	127.0369	0.00462	-0.10426	11
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'CHANUTE 69KV'	40.39	0.00405	-0.10369	11
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00454	-0.10418	11
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'CITY OF IOLA 69KV'	17.08	0.00367	-0.10331	11
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'HOLTON 115KV'	12.2	0.00556	-0.1052	11
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0045	-0.10414	11
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00514	-0.10478	11
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00513	-0.10477	11
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00498	-0.10462	11
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.9228	0.00507	-0.10471	11
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.00518	-0.10482	11
WERE	'CITY OF GIRARD 69KV'	8.174	0.00228	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06253	18
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00309	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06172	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	46.96313	0.00462	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06019	19
WERE	'CHANUTE 69KV'	47.41	0.00405	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06076	19
WERE	'CITY OF ERIE 69KV'	24.229	0.00405	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06076	19
WERE	'CITY OF IOLA 69KV'	20.548	0.00367	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06114	19
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.00554	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05927	19
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.00509	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05972	19
WERE	'GILL ENERGY CENTER 69KV'	118	0.00662	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05819	19
WERE	'HOLTON 115KV'	7.6	0.00556	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05925	19
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.0045	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06031	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.0045	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06031	19
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00514	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05967	19
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00513	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05968	19
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.00498	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05983	19
WERE	'LAWRENCE ENERGY CENTER 230KV'	36.07718	0.00507	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05974	19
WERE	'SMOKYHIL 230 230KV'	72	0.00465	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06016	19
WERE	'SOUTH SENECA 115KV'	16.7	0.00609	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05872	19
WERE	'ST JOHN 115KV'	7.5	0.00441	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.0604	19
WERE	'TECUMSEH ENERGY CENTER 115KV'	123	0.00518	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05963	19
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00517	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05964	19
WERE	'CITY OF BURLINGTON 69KV'	7.7	0.00898	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05583	20
WERE	'EVANS ENERGY CENTER 138KV'	313	0.01021	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.0546	21
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.01044	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05437	21
WERE	'LATHAM1234.0 345KV'	150	0.00984	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05497	21
WERE	'CITY OF MULVANE 69KV'	10.868	0.01379	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05102	22
WERE	'GETTY 69KV'	35	0.02601	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.0388	29

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

Upgrade: 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: 575505783715703957042144O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.4	5.8
1090609	0.9	5.8
1090609	0.3	5.8
1090609	0.7	5.8
1090609	3.5	5.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.35582	16
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00895	-0.29998	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00895	-0.29998	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01018	-0.30121	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'GILL ENERGY CENTER 138KV'	155	0.01042	-0.30145	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HOLTON 115KV'	12.2	0.00551	-0.29654	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00509	-0.29612	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00508	-0.29611	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'SOUTH SENECA 115KV'	8.5	0.00604	-0.29707	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00513	-0.29616	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'WACO 138KV'	17.947	0.01039	-0.30142	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00494	-0.29597	20
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'BPU - CITY OF MCPHERSON 115KV'	77.13525	0.0046	-0.29563	20
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CHANUTE 69KV'	46.617	0.004	-0.29503	20
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF ERIE 69KV'	22.264	0.004	-0.29503	20
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF IOLA 69KV'	19.865	0.00362	-0.29465	20
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	0.00503	-0.29606	20

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0045	-0.29553	20
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00494	-0.29597	20
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.9843	0.00502	-0.29605	20
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.09965	-0.19138	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

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: 5755057837157039570421407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.7	10.6
1090609	1.6	10.6
1090609	0.5	10.6
1090609	1.3	10.6
1090609	6.5	10.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.35582	30
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00895	-0.29998	35
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	544.001	0.01018	-0.30121	35
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'GILL ENERGY CENTER 138KV'	171	0.01042	-0.30145	35
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'WACO 138KV'	17.96	0.01039	-0.30142	35
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00494	-0.29597	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0046	-0.29563	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CHANUTE 69KV'	56.723	0.004	-0.29503	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF ERIE 69KV'	22.274	0.004	-0.29503	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF IOLA 69KV'	24.267	0.00362	-0.29465	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.00503	-0.29606	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'GILL ENERGY CENTER 69KV'	45	0.00659	-0.29762	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HOLTON 115KV'	12.2	0.00551	-0.29654	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.0045	-0.29553	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.0045	-0.29553	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00509	-0.29612	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00508	-0.29611	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00494	-0.29597	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.7283	0.00502	-0.29605	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00513	-0.29616	36
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.09965	-0.19138	56

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

Upgrade: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
Limiting Facility: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
Direction: To->From
Line Outage: FARBER - SUMNER COUNTY NO. 10 BELLE PLAIN 138KV CKT 1
Flowgate: 5755057837157042570631407SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.2	2.8
1090609	0.4	2.8
1090609	0.2	2.8
1090609	0.3	2.8
1090609	1.6	2.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.35582	8
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00494	-0.29597	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'BPU - CITY OF MCPHERSON 115KV'	77.13525	0.0046	-0.29563	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CHANUTE 69KV'	46.617	0.004	-0.29503	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00895	-0.29998	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF ERIE 69KV'	22.264	0.004	-0.29503	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00449	-0.29552	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF IOLA 69KV'	19.865	0.00362	-0.29465	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF MULVANE 69KV'	6.189	0.01377	-0.3048	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	0.00503	-0.29606	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00895	-0.29998	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01018	-0.30121	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'GILL ENERGY CENTER 138KV'	155	0.01042	-0.30145	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HOLTON 115KV'	12.2	0.00551	-0.29654	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0045	-0.29553	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00509	-0.29612	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00508	-0.29611	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00494	-0.29597	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.9843	0.00502	-0.29605	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'SOUTH SENECA 115KV'	8.5	0.00604	-0.29707	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00513	-0.29616	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'WACO 138KV'	17.947	0.01039	-0.30142	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.09965	-0.19138	14
WERE	'CITY OF IOLA 69KV'	17.763	0.00362	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06117	45
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00304	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06175	45
WERE	'BPU - CITY OF MCPHERSON 115KV'	136.8647	0.0046	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06019	46
WERE	'CHANUTE 69KV'	41.183	0.004	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06079	46
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	0.00503	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05976	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.0045	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06029	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.0045	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06029	46
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00509	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.0597	46
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00508	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05971	46
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.00494	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05985	46
WERE	'LAWRENCE ENERGY CENTER 230KV'	37.01572	0.00502	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05977	46
WERE	'SMOKYHIL 230 230KV'	72	0.00449	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.0603	46
WERE	'TECUMSEH ENERGY CENTER 115KV'	52.99999	0.00513	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05966	46
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00513	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05966	46
WERE	'GILL ENERGY CENTER 69KV'	118	0.00659	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.0582	48

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'LATHAM1234.0 345KV'	150	0.0098	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05499	50
WERE	'EVANS ENERGY CENTER 138KV'	313	0.01018	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05461	51
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.01042	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05437	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

Upgrade: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
Limiting Facility: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
Direction: To->From
Line Outage: FARBER - SUMNER COUNTY NO. 10 BELLE PLAIN 138KV CKT 1
Flowgate: 575505783715704257063144O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.5	6.9
1090609	1.1	6.9
1090609	0.4	6.9
1090609	0.8	6.9
1090609	4.2	6.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.35582	19
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00494	-0.29597	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0046	-0.29563	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CHANUTE 69KV'	56.723	0.004	-0.29503	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.00895	-0.29998	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF ERIE 69KV'	22.274	0.004	-0.29503	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF MULVANE 69KV'	8.288	0.01377	-0.3048	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.00503	-0.29606	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00895	-0.29998	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	544.001	0.01018	-0.30121	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'GILL ENERGY CENTER 138KV'	171	0.01042	-0.30145	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'GILL ENERGY CENTER 69KV'	45	0.00659	-0.29762	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HOLTON 115KV'	12.2	0.00551	-0.29654	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.0045	-0.29553	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.0045	-0.29553	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00509	-0.29612	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00508	-0.29611	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00494	-0.29597	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.7283	0.00502	-0.29605	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'SOUTH SENECA 115KV'	8.5	0.00604	-0.29707	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00513	-0.29616	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'WACO 138KV'	17.96	0.01039	-0.30142	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF IOLA 69KV'	24.267	0.00362	-0.29465	24
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.09965	-0.19138	36

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

Upgrade: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
Limiting Facility: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
Direction: To->From
Line Outage: SPP-WERE-40
Flowgate: 57550578371SPP-WERE-404407FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.1	0.5
1090609	0.1	0.5
1090609	0.1	0.5
1090609	0.1	0.5
1090609	0.1	0.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.37126	1
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00461	-0.31317	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CHANUTE 69KV'	56.296	0.00382	-0.31238	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.0084	-0.31696	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CITY OF ERIE 69KV'	2.299	0.00382	-0.31238	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00429	-0.31285	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CITY OF GIRARD 69KV'	1.791	0.00212	-0.31068	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CITY OF IOLA 69KV'	24.256	0.00344	-0.312	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CITY OF MULVANE 69KV'	4.891	0.01258	-0.32114	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CITY OF WELLINGTON 69KV'	20	-0.11253	-0.19603	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.0047	-0.31326	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0084	-0.31696	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00935	-0.31791	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'GILL ENERGY CENTER 138KV'	155	0.00919	-0.31775	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'HOLTON 115KV'	8.2	0.00518	-0.31374	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'HUTCHINSON ENERGY CENTER 115KV'	72.17331	0.00418	-0.31274	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00477	-0.31333	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00475	-0.31331	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.115	0.0047	-0.31326	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'SOUTH SENECA 115KV'	8.5	0.00571	-0.31427	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0048	-0.31336	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'WACO 138KV'	17.946	0.00921	-0.31777	2
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.17523	3
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00461	-0.11714	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'CHANUTE 69KV'	56.296	0.00382	-0.11635	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.0084	-0.12093	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'CITY OF ERIE 69KV'	2.299	0.00382	-0.11635	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00429	-0.11682	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'CITY OF GIRARD 69KV'	1.791	0.00212	-0.11465	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'CITY OF IOLA 69KV'	24.256	0.00344	-0.11597	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'CITY OF MULVANE 69KV'	4.891	0.01258	-0.12511	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.0047	-0.11723	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0084	-0.12093	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00935	-0.12188	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'GILL ENERGY CENTER 138KV'	155	0.00919	-0.12172	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'HOLTON 115KV'	8.2	0.00518	-0.11771	4

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'HUTCHINSON ENERGY CENTER 115KV'	72.17331	0.00418	-0.11671	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00477	-0.1173	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00475	-0.11728	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.115	0.0047	-0.11723	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'SOUTH SENECA 115KV'	8.5	0.00571	-0.11824	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0048	-0.11733	4
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'WACO 138KV'	17.946	0.00921	-0.12174	4
WERE	'ABILENE ENERGY CENTER 115KV'	5.999996	0.00461	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05809	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	0.00428	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05842	8
WERE	'CHANUTE 69KV'	31.504	0.00382	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05888	8
WERE	'CITY OF ERIE 69KV'	24.231	0.00382	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05888	8
WERE	'CITY OF FREDONIA 69KV'	5.069	0.00429	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05841	8
WERE	'CITY OF GIRARD 69KV'	8.909	0.00212	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.06058	8
WERE	'CITY OF IOLA 69KV'	13.372	0.00344	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05926	8
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00333	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05937	8
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.00514	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05756	8
WERE	'CLAY CENTER JUNCTION 115KV'	29.516	0.0047	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.058	8
WERE	'GILL ENERGY CENTER 69KV'	118	0.00494	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05776	8
WERE	'HOLTON 115KV'	11.6	0.00518	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05752	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	310.8267	0.00418	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05852	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.00418	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05852	8
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00477	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05793	8
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00475	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05795	8
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	0.00462	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05808	8
WERE	'LAWRENCE ENERGY CENTER 230KV'	37.88498	0.0047	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.058	8
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00288	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05982	8
WERE	'SMOKYHIL 230 230KV'	72	0.00418	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05852	8
WERE	'ST JOHN 115KV'	7.5	0.00408	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05862	8
WERE	'TECUMSEH ENERGY CENTER 115KV'	52.99999	0.0048	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.0579	8
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.0048	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.0579	8
WERE	'BROWN COUNTY 115KV'	5.5	0.00583	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05687	9
WERE	'CITY OF BURLINGTON 69KV'	7.7	0.0084	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.0543	9
WERE	'EVANS ENERGY CENTER 138KV'	438	0.00935	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05335	9
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00919	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05351	9
WERE	'LATHAM1234.0 345KV'	150	0.00922	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05348	9
WERE	'SOUTH SENECA 115KV'	8.2	0.00571	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05699	9
WERE	'CITY OF MULVANE 69KV'	10.899	0.01258	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.05012	10
WERE	'GETTY 69KV'	35	0.02486	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.03784	13
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.03511	OKGE	'AES 161KV'	320	-0.00233	-0.03278	15
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.03511	OKGE	'MUSKOGEE 345KV'	1516	-0.00337	-0.03174	15

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

Upgrade: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
Limiting Facility: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
Direction: To->From
Line Outage: SPP-WERE-40
Flowgate: 57550578371SPP-WERE-404407SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.3	3.8
1090609	0.6	3.8
1090609	0.2	3.8
1090609	0.4	3.8
1090609	2.2	3.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06269	-0.37126	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00459	-0.31316	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'BPU - CITY OF MCPHERSON 115KV'	77.13525	0.00426	-0.31283	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CHANUTE 69KV'	46.617	0.00381	-0.31238	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00839	-0.31696	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF ERIE 69KV'	22.264	0.00381	-0.31238	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00428	-0.31285	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF IOLA 69KV'	19.865	0.00343	-0.312	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF MULVANE 69KV'	6.189	0.01257	-0.32114	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	0.00469	-0.31326	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00839	-0.31696	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'EVANS ENERGY CENTER 138KV'	340	0.00934	-0.31791	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'GILL ENERGY CENTER 138KV'	155	0.00918	-0.31775	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'HOLTON 115KV'	12.2	0.00516	-0.31373	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.00416	-0.31273	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00475	-0.31332	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00474	-0.31331	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00461	-0.31318	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.9843	0.00469	-0.31326	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'SOUTH SENECA 115KV'	8.5	0.00569	-0.31426	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00479	-0.31336	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'WACO 138KV'	17.947	0.00919	-0.31776	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.11254	-0.19603	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

Upgrade: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
Limiting Facility: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
Direction: To->From
Line Outage: SPP-WERE-40
Flowgate: 57550578371SPP-WERE-404407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.6	8.0
1090609	1.2	8.0
1090609	0.4	8.0
1090609	0.9	8.0
1090609	4.9	8.0

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

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.37126	22
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.00839	-0.31696	25
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00839	-0.31696	25
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'EVANS ENERGY CENTER 138KV'	544.001	0.00934	-0.31791	25
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'GILL ENERGY CENTER 138KV'	171	0.00918	-0.31775	25
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'WACO 138KV'	17.96	0.00919	-0.31776	25
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00459	-0.31316	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.00426	-0.31283	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CHANUTE 69KV'	56.723	0.00381	-0.31238	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF ERIE 69KV'	22.274	0.00381	-0.31238	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF IOLA 69KV'	24.267	0.00343	-0.312	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.00469	-0.31326	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'GILL ENERGY CENTER 69KV'	45	0.00493	-0.3135	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'HOLTON 115KV'	12.2	0.00516	-0.31373	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.00417	-0.31274	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.00417	-0.31274	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00475	-0.31332	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00474	-0.31331	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00461	-0.31318	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.7283	0.00469	-0.31326	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00479	-0.31336	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.11254	-0.19603	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

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 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.1	0.8
1090609	0.1	0.8
1090609	0.1	0.8
1090609	0.1	0.8
1090609	0.4	0.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.35582	2
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00494	-0.29597	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'BPU - CITY OF MCPHERSON 115KV'	77.13525	0.0046	-0.29563	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CHANUTE 69KV'	46.617	0.004	-0.29503	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00895	-0.29998	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF ERIE 69KV'	22.264	0.004	-0.29503	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00449	-0.29552	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF GIRARD 69KV'	2.989	0.00223	-0.29326	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF IOLA 69KV'	19.865	0.00362	-0.29465	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF MULVANE 69KV'	6.189	0.01377	-0.3048	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	0.00503	-0.29606	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00895	-0.29998	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01018	-0.30121	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'GILL ENERGY CENTER 138KV'	155	0.01042	-0.30145	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HOLTON 115KV'	12.2	0.00551	-0.29654	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0045	-0.29553	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00509	-0.29612	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00508	-0.29611	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00494	-0.29597	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.9843	0.00502	-0.29605	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'SOUTH SENECA 115KV'	8.5	0.00604	-0.29707	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00513	-0.29616	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'WACO 138KV'	17.947	0.01039	-0.30142	3
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.09965	-0.19138	4
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.20237	4
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.09965	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.16444	5
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF MULVANE 69KV'	6.189	0.01377	-0.15135	5
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00494	-0.14252	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'BPU - CITY OF MCPHERSON 115KV'	77.13525	0.0046	-0.14218	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CHANUTE 69KV'	46.617	0.004	-0.14158	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00895	-0.14653	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF ERIE 69KV'	22.264	0.004	-0.14158	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00449	-0.14207	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF GIRARD 69KV'	2.989	0.00223	-0.13981	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF IOLA 69KV'	19.865	0.00362	-0.1412	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	0.00503	-0.14261	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00895	-0.14653	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01018	-0.14776	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'GILL ENERGY CENTER 138KV'	155	0.01042	-0.148	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'HOLTON 115KV'	12.2	0.00551	-0.14309	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0045	-0.14208	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00509	-0.14267	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00508	-0.14266	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00494	-0.14252	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.9843	0.00502	-0.1426	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'SOUTH SENECA 115KV'	8.5	0.00604	-0.14362	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00513	-0.14271	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'WACO 138KV'	17.947	0.01039	-0.14797	6
WERE	'CITY OF GIRARD 69KV'	7.711	0.00223	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06256	13
WERE	'CITY OF IOLA 69KV'	17.763	0.00362	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06117	13
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00348	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06131	13
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00304	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06175	13
WERE	'ABILENE ENERGY CENTER 115KV'	5.999996	0.00494	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05985	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	136.8647	0.0046	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06019	14
WERE	'BROWN COUNTY 115KV'	5.5	0.00617	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05862	14
WERE	'CHANUTE 69KV'	41.183	0.004	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06079	14
WERE	'CITY OF FREDONIA 69KV'	5.069	0.00449	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.0603	14
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.00549	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.0593	14
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	0.00503	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05976	14
WERE	'GILL ENERGY CENTER 69KV'	118	0.00659	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.0582	14
WERE	'HOLTON 115KV'	7.6	0.00551	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05928	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.0045	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06029	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.0045	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06029	14

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00509	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.0597	14
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00508	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05971	14
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.00494	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05985	14
WERE	'LAWRENCE ENERGY CENTER 230KV'	37.01572	0.00502	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05977	14
WERE	'SMOKYHIL 230 230KV'	72	0.00449	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.0603	14
WERE	'SOUTH SENECA 115KV'	8.2	0.00604	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05875	14
WERE	'ST JOHN 115KV'	7.5	0.00445	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.06034	14
WERE	'TECUMSEH ENERGY CENTER 115KV'	52.99999	0.00513	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05966	14
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00513	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05966	14
WERE	'EVANS ENERGY CENTER 138KV'	313	0.01018	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05461	15
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.01042	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05437	15
WERE	'LATHAM1234.0 345KV'	150	0.0098	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05499	15
WERE	'CITY OF MULVANE 69KV'	9.601001	0.01377	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.05102	16
WERE	'GETTY 69KV'	35	0.02598	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.03881	21

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

Upgrade: RICHLAND - UDALL 69KV CKT 1
Limiting Facility: RICHLAND - UDALL 69KV CKT 1
Direction: From->To
Line Outage: EL PASO - FARBER 138KV CKT 1
Flowgate: 5755057559157039570421440 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.3	4.8
1090609	0.7	4.8
1090609	0.3	4.8
1090609	0.6	4.8
1090609	2.8	4.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.35582	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00494	-0.29597	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0046	-0.29563	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CHANUTE 69KV'	56.723	0.004	-0.29503	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.00895	-0.29998	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF ERIE 69KV'	22.274	0.004	-0.29503	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF IOLA 69KV'	24.267	0.00362	-0.29465	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF MULVANE 69KV'	8.288	0.01377	-0.3048	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.00503	-0.29606	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00895	-0.29998	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	544.001	0.01018	-0.30121	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'GILL ENERGY CENTER 138KV'	171	0.01042	-0.30145	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'GILL ENERGY CENTER 69KV'	45	0.00659	-0.29762	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HOLTON 115KV'	12.2	0.00551	-0.29654	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.0045	-0.29553	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.0045	-0.29553	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00509	-0.29612	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00508	-0.29611	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00494	-0.29597	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.7283	0.00502	-0.29605	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'SOUTH SENECA 115KV'	8.5	0.00604	-0.29707	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00513	-0.29616	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'WACO 138KV'	17.96	0.01039	-0.30142	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.09965	-0.19138	25

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

Upgrade: RICHLAND - UDALL 69KV CKT 1
Limiting Facility: RICHLAND - UDALL 69KV CKT 1
Direction: From->To
Line Outage: FARBER - SUMNER COUNTY NO. 10 BELLE PLAIN 138KV CKT 1
Flowgate: 5755057559157042570631440 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.1	1.0
1090609	0.2	1.0
1090609	0.1	1.0
1090609	0.1	1.0
1090609	0.5	1.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00494	-0.29597	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0046	-0.29563	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CHANUTE 69KV'	56.723	0.004	-0.29503	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.35582	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.00895	-0.29998	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF ERIE 69KV'	22.274	0.004	-0.29503	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00449	-0.29552	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF IOLA 69KV'	24.267	0.00362	-0.29465	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF MULVANE 69KV'	8.288	0.01377	-0.3048	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.00503	-0.29606	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00895	-0.29998	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	544.001	0.01018	-0.30121	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'GILL ENERGY CENTER 138KV'	171	0.01042	-0.30145	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'GILL ENERGY CENTER 69KV'	45	0.00659	-0.29762	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HOLTON 115KV'	12.2	0.00551	-0.29654	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.0045	-0.29553	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.0045	-0.29553	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00509	-0.29612	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00508	-0.29611	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00494	-0.29597	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.7283	0.00502	-0.29605	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'SOUTH SENECA 115KV'	8.5	0.00604	-0.29707	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00513	-0.29616	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'WACO 138KV'	17.96	0.01039	-0.30142	3
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF GIRARD 69KV'	4.789	0.00223	-0.29326	4

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.09965	-0.19138	5
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.20237	5
WERE	'CITY OF WELLINGTON 69KV'	2.049999	-0.09965	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.16444	6
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00494	-0.14252	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0046	-0.14218	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CHANUTE 69KV'	56.723	0.004	-0.14158	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.00895	-0.14653	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF ERIE 69KV'	22.274	0.004	-0.14158	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00449	-0.14207	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF GIRARD 69KV'	4.789	0.00223	-0.13981	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF IOLA 69KV'	24.267	0.00362	-0.1412	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF MULVANE 69KV'	8.288	0.01377	-0.15135	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.00503	-0.14261	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00895	-0.14653	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'EVANS ENERGY CENTER 138KV'	544.001	0.01018	-0.14776	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'GILL ENERGY CENTER 138KV'	171	0.01042	-0.148	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'GILL ENERGY CENTER 69KV'	45	0.00659	-0.14417	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'HOLTON 115KV'	12.2	0.00551	-0.14309	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.0045	-0.14208	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.0045	-0.14208	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00509	-0.14267	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00508	-0.14266	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00494	-0.14252	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.7283	0.00502	-0.1426	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'SOUTH SENECA 115KV'	8.5	0.00604	-0.14362	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00513	-0.14271	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'WACO 138KV'	17.96	0.01039	-0.14797	7
WERE	'CITY OF GIRARD 69KV'	5.911	0.00223	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.06256	16
WERE	'ABILENE ENERGY CENTER 115KV'	5.999996	0.00494	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.05985	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	39	0.0046	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.06019	17
WERE	'CHANUTE 69KV'	31.077	0.004	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.06079	17
WERE	'CITY OF IOLA 69KV'	13.361	0.00362	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.06117	17
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.00549	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.0593	17
WERE	'CLAY CENTER JUNCTION 115KV'	9.225	0.00503	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.05976	17
WERE	'HOLTON 115KV'	7.6	0.00551	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.05928	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.0045	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.06029	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.0045	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.06029	17
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00509	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.0597	17
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00508	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.05971	17
WERE	'LAWRENCE ENERGY CENTER 115KV'	8.000004	0.00494	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.05985	17
WERE	'LAWRENCE ENERGY CENTER 230KV'	36.2717	0.00502	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.05977	17
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00304	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.06175	17
WERE	'SMOKYHIL 230 230KV'	72	0.00449	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.0603	17
WERE	'SOUTH SENECA 115KV'	8.2	0.00604	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.05875	17
WERE	'ST JOHN 115KV'	7.5	0.00446	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.06033	17
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00513	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.05966	17
WERE	'GILL ENERGY CENTER 69KV'	38	0.00659	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.0582	18
WERE	'EVANS ENERGY CENTER 138KV'	28.99902	0.01018	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.05461	19
WERE	'LATHAM1234.0 345KV'	150	0.0098	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.05499	19
WERE	'CITY OF MULVANE 69KV'	7.502	0.01377	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.05102	20
WERE	'GETTY 69KV'	35	0.02598	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.03881	26

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

Upgrade: RICHLAND - UDALL 69KV CKT 1
Limiting Facility: RICHLAND - UDALL 69KV CKT 1
Direction: From->To
Line Outage: SPP-WERE-40
Flowgate: 57550575591SPP-WERE-404407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.2	2.2
1090609	0.3	2.2
1090609	0.1	2.2
1090609	0.3	2.2
1090609	1.2	2.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.37126	6
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00459	-0.31316	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.00426	-0.31283	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CHANUTE 69KV'	56.723	0.00381	-0.31238	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.00839	-0.31696	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF ERIE 69KV'	22.274	0.00381	-0.31238	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00428	-0.31285	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF GIRARD 69KV'	4.789	0.00211	-0.31068	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF IOLA 69KV'	24.267	0.00343	-0.312	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF MULVANE 69KV'	8.288	0.01257	-0.32114	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.00469	-0.31326	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00839	-0.31696	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'EVANS ENERGY CENTER 138KV'	544.001	0.00934	-0.31791	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'GILL ENERGY CENTER 138KV'	171	0.00918	-0.31775	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'GILL ENERGY CENTER 69KV'	45	0.00493	-0.3135	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'HOLTON 115KV'	12.2	0.00516	-0.31373	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.00417	-0.31274	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.00417	-0.31274	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00475	-0.31332	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00474	-0.31331	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00461	-0.31318	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.7283	0.00469	-0.31326	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'SOUTH SENECA 115KV'	8.5	0.00569	-0.31426	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00479	-0.31336	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'WACO 138KV'	17.96	0.00919	-0.31776	7
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.11254	-0.19603	11
WERE	'CITY OF IOLA 69KV'	13.361	0.00343	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.05926	37
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00287	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.05982	37
WERE	'BPU - CITY OF MCPHERSON 115KV'	39	0.00426	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.05843	38
WERE	'CHANUTE 69KV'	31.077	0.00381	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.05888	38
WERE	'GILL ENERGY CENTER 69KV'	38	0.00493	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.05776	38
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00417	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.05852	38
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00475	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.05794	38
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00474	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.05795	38

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'LAWRENCE ENERGY CENTER 230KV'	36.2717	0.00469	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.058	38
WERE	'SMOKYHIL 230 230KV'	72	0.00417	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.05852	38
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00478	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.05791	38
WERE	'LATHAM1234.0 345KV'	150	0.00921	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.05348	41
WERE	'EVANS ENERGY CENTER 138KV'	28.99902	0.00934	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.05335	42
WERE	'GETTY 69KV'	35	0.02485	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.03784	59

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

Upgrade: ROSE HILL (ROSEHL1X) 345-138-13.8KV TRANSFORMER
Limiting Facility: ROSE HILL (ROSEHL1X) 345-138-13.8KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: ROSE HILL (ROSEHL3X) 345-138-13.8KV TRANSFORMER CKT 1
Flowgate: ROSSEHL1X2741ROSEHL3X7412207SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086655	1.4	2.8
1086656	0.5	2.8
1090609	0.4	2.8
1090609	0.1	2.8
1090609	0.2	2.8
1090609	0.1	2.8
1090674	0.1	2.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.0451	-0.32927	8
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.0451	-0.32927	8
WERE	'OXFORD 138KV'	3	-0.25228	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.0451	-0.29738	9
WERE	'OXFORD 138KV'	3	-0.25228	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.0451	-0.29738	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00745	-0.27672	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.01232	-0.27185	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'CHANUTE 69KV'	56.723	-0.01127	-0.2729	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'CITY OF ERIE 69KV'	22.274	-0.01127	-0.2729	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'CITY OF GIRARD 69KV'	4.789	0.00966	-0.29383	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'CITY OF IOLA 69KV'	24.267	-0.00508	-0.27909	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	-0.00634	-0.27783	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'HOLTON 115KV'	12.2	-0.0102	-0.27397	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01512	-0.26905	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00308	-0.28109	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00293	-0.28124	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00124	-0.28541	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.3199	0.00053	-0.2847	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00156	-0.28261	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'CITY OF FREDONIA 69KV'	5.225	-0.01906	-0.26511	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'SOUTH SENECA 115KV'	8.5	-0.02064	-0.26353	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.0451	-0.25957	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.0451	-0.25957	11
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.0451	-0.25418	11
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.0451	-0.25418	11
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.0451	-0.25674	11
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.0451	-0.25674	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'CITY OF GIRARD 69KV'	4.789	0.00966	-0.22413	12
WERE	'GETTY 69KV'	35	-0.19057	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.0451	-0.23567	12
WERE	'GETTY 69KV'	35	-0.19057	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.0451	-0.23567	12
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'CITY OF IOLA 69KV'	24.267	-0.00508	-0.20939	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	-0.00634	-0.20813	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00308	-0.21139	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00293	-0.21154	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00124	-0.21571	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.3199	0.00053	-0.215	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00156	-0.21291	13
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'CITY OF GIRARD 69KV'	4.789	0.00966	-0.21874	13
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00124	-0.21032	13
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.3199	0.00053	-0.20961	13
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00156	-0.20752	13
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'CITY OF GIRARD 69KV'	4.789	0.00966	-0.2213	13
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00308	-0.20856	13
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00293	-0.20871	13
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00124	-0.21288	13
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.3199	0.00053	-0.21217	13
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00156	-0.21008	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00745	-0.20702	14
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.01232	-0.20215	14
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'CHANUTE 69KV'	56.723	-0.01127	-0.2032	14
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'CITY OF ERIE 69KV'	22.274	-0.01127	-0.2032	14
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'CITY OF FREDONIA 69KV'	5.225	-0.01906	-0.19541	14
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'HOLTON 115KV'	12.2	-0.0102	-0.20427	14
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01512	-0.19935	14
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'SOUTH SENECA 115KV'	8.5	-0.02064	-0.19383	14
WERE	'GETTY 69KV'	35	-0.19057	WERE	'CITY OF GIRARD 69KV'	4.789	0.00966	-0.20023	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00745	-0.20163	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.01232	-0.19676	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'CHANUTE 69KV'	56.723	-0.01127	-0.19781	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'CITY OF ERIE 69KV'	22.274	-0.01127	-0.19781	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'CITY OF IOLA 69KV'	24.267	-0.00508	-0.204	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	-0.00634	-0.20274	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'HOLTON 115KV'	12.2	-0.0102	-0.19888	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01512	-0.19396	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00308	-0.206	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00293	-0.20615	14
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00745	-0.20419	14
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.01232	-0.19932	14
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'CHANUTE 69KV'	56.723	-0.01127	-0.20037	14
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'CITY OF ERIE 69KV'	22.274	-0.01127	-0.20037	14
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'CITY OF IOLA 69KV'	24.267	-0.00508	-0.20656	14
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	-0.00634	-0.2053	14
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'HOLTON 115KV'	12.2	-0.0102	-0.20144	14
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01512	-0.19652	14
WERE	'CITY OF MULVANE 69KV'	7.502	-0.28417	WERE	'EVANS ENERGY CENTER 138KV'	373.2803	-0.09869	-0.18548	15
WERE	'GETTY 69KV'	35	-0.19057	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00745	-0.18312	15
WERE	'GETTY 69KV'	35	-0.19057	WERE	'CITY OF IOLA 69KV'	24.267	-0.00508	-0.18549	15
WERE	'GETTY 69KV'	35	-0.19057	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	-0.00634	-0.18423	15

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'GETTY 69KV'	35	-0.19057	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00308	-0.18749	15
WERE	'GETTY 69KV'	35	-0.19057	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00293	-0.18764	15
WERE	'GETTY 69KV'	35	-0.19057	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00124	-0.19181	15
WERE	'GETTY 69KV'	35	-0.19057	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.3199	0.00053	-0.1911	15
WERE	'GETTY 69KV'	35	-0.19057	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00156	-0.18901	15
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'CITY OF FREDONIA 69KV'	5.225	-0.01906	-0.19002	15
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'SOUTH SENECA 115KV'	8.5	-0.02064	-0.18844	15
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'CITY OF FREDONIA 69KV'	5.225	-0.01906	-0.19258	15
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21164	WERE	'SOUTH SENECA 115KV'	8.5	-0.02064	-0.191	15
WERE	'GETTY 69KV'	35	-0.19057	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.01232	-0.17825	16
WERE	'GETTY 69KV'	35	-0.19057	WERE	'CHANUTE 69KV'	56.723	-0.01127	-0.1793	16
WERE	'GETTY 69KV'	35	-0.19057	WERE	'CITY OF ERIE 69KV'	22.274	-0.01127	-0.1793	16
WERE	'GETTY 69KV'	35	-0.19057	WERE	'HOLTON 115KV'	12.2	-0.0102	-0.18037	16
WERE	'GETTY 69KV'	35	-0.19057	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01512	-0.17545	16
WERE	'GETTY 69KV'	35	-0.19057	WERE	'SOUTH SENECA 115KV'	8.5	-0.02064	-0.16993	16
WERE	'EVANS ENERGY CENTER 138KV'	249.7197	-0.09869	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.0451	-0.14379	19
WERE	'EVANS ENERGY CENTER 138KV'	249.7197	-0.09869	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.0451	-0.14379	19
WEPL	'HARPER 138KV'	17.21	-0.15491	WEPL	'CLIFTON 115KV'	43.35043	-0.01309	-0.14182	20
WEPL	'HARPER 138KV'	17.21	-0.15491	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.02153	-0.13338	21
WEPL	'HARPER 138KV'	17.21	-0.15491	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.03373	-0.12118	23
WEPL	'HARPER 138KV'	17.21	-0.15491	WEPL	'JUDSON LARGE 115KV'	109.0593	-0.03391	-0.121	23
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21447	WERE	'EVANS ENERGY CENTER 138KV'	373.2803	-0.09869	-0.11578	24
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20908	WERE	'EVANS ENERGY CENTER 138KV'	373.2803	-0.09869	-0.11039	25

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

Upgrade: ROSE HILL (ROSEHL1X) 345-138-13.8KV TRANSFORMER
Limiting Facility: ROSE HILL (ROSEHL3X) 345-138-13.8KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: ROSE HILL (ROSEHL1X) 345-138-13.8KV TRANSFORMER CKT 1
Flowgate: ROSSEHL3X2741ROSEHL1X7412207SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086655	1.6	3.1
1086656	0.5	3.1
1090609	0.4	3.1
1090609	0.1	3.1
1090609	0.2	3.1
1090609	0.2	3.1
1090674	0.1	3.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.04512	-0.32942	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.04512	-0.32942	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00745	-0.27685	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.01232	-0.27198	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'CHANUTE 69KV'	56.723	-0.01127	-0.27303	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'CITY OF ERIE 69KV'	22.274	-0.01127	-0.27303	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'CITY OF GIRARD 69KV'	4.789	0.00966	-0.29396	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'CITY OF IOLA 69KV'	24.267	-0.00508	-0.27922	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	-0.00634	-0.27796	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'HOLTON 115KV'	12.2	-0.0102	-0.2741	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01512	-0.26918	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00308	-0.28122	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00293	-0.28137	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00124	-0.28554	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.3199	0.00053	-0.28483	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00156	-0.28274	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'CITY OF FREDONIA 69KV'	5.225	-0.01907	-0.26523	12
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'SOUTH SENECA 115KV'	8.5	-0.02065	-0.26365	12
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.04512	-0.25969	12
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.04512	-0.25969	12
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.04512	-0.2543	12
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.04512	-0.2543	12
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.04512	-0.25686	12
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.04512	-0.25686	12
WERE	'GETTY 69KV'	35	-0.19065	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.04512	-0.23577	13
WERE	'GETTY 69KV'	35	-0.19065	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.04512	-0.23577	13
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'CITY OF GIRARD 69KV'	4.789	0.00966	-0.22423	14
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00124	-0.21581	14
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.3199	0.00053	-0.2151	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'CITY OF GIRARD 69KV'	4.789	0.00966	-0.21884	14
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'CITY OF GIRARD 69KV'	4.789	0.00966	-0.2214	14
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00745	-0.20712	15
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.01232	-0.20225	15
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'CHANUTE 69KV'	56.723	-0.01127	-0.2033	15
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'CITY OF ERIE 69KV'	22.274	-0.01127	-0.2033	15
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'CITY OF IOLA 69KV'	24.267	-0.00508	-0.20949	15
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	-0.00634	-0.20823	15
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'HOLTON 115KV'	12.2	-0.0102	-0.20437	15
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00308	-0.21149	15
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00293	-0.21164	15
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00156	-0.21301	15
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00745	-0.20173	15
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'CITY OF IOLA 69KV'	24.267	-0.00508	-0.2041	15
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	-0.00634	-0.20284	15
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00308	-0.2061	15
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00293	-0.20625	15
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00124	-0.21042	15
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.3199	0.00053	-0.20971	15
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00156	-0.20762	15
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00745	-0.20429	15
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'CHANUTE 69KV'	56.723	-0.01127	-0.20047	15
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'CITY OF ERIE 69KV'	22.274	-0.01127	-0.20047	15
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'CITY OF IOLA 69KV'	24.267	-0.00508	-0.20666	15
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	-0.00634	-0.2054	15
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'HOLTON 115KV'	12.2	-0.0102	-0.20154	15
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00308	-0.20866	15
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00293	-0.20881	15
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00124	-0.21298	15
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.3199	0.00053	-0.21227	15
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00156	-0.21018	15

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01512	-0.19945	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'SOUTH SENECA 115KV'	8.5	-0.02065	-0.19392	16
WERE	'GETTY 69KV'	35	-0.19065	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00308	-0.18757	16
WERE	'GETTY 69KV'	35	-0.19065	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00293	-0.18772	16
WERE	'GETTY 69KV'	35	-0.19065	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00124	-0.19189	16
WERE	'GETTY 69KV'	35	-0.19065	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.3199	0.00053	-0.19118	16
WERE	'GETTY 69KV'	35	-0.19065	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00156	-0.18909	16
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.01232	-0.19686	16
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'CHANUTE 69KV'	56.723	-0.01127	-0.19791	16
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'CITY OF ERIE 69KV'	22.274	-0.01127	-0.19791	16
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'HOLTON 115KV'	12.2	-0.0102	-0.19898	16
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01512	-0.19406	16
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'SOUTH SENECA 115KV'	8.5	-0.02065	-0.18853	16
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.01232	-0.19942	16
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01512	-0.19662	16
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'SOUTH SENECA 115KV'	8.5	-0.02065	-0.19109	16
WERE	'CITY OF MULVANE 69KV'	7.502	-0.2843	WERE	'EVANS ENERGY CENTER 138KV'	373.2803	-0.09874	-0.18556	17
WERE	'GETTY 69KV'	35	-0.19065	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00745	-0.1832	17
WERE	'GETTY 69KV'	35	-0.19065	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.01232	-0.17833	17
WERE	'GETTY 69KV'	35	-0.19065	WERE	'CHANUTE 69KV'	56.723	-0.01127	-0.17938	17
WERE	'GETTY 69KV'	35	-0.19065	WERE	'CITY OF ERIE 69KV'	22.274	-0.01127	-0.17938	17
WERE	'GETTY 69KV'	35	-0.19065	WERE	'CITY OF IOLA 69KV'	24.267	-0.00508	-0.18557	17
WERE	'GETTY 69KV'	35	-0.19065	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	-0.00634	-0.18431	17
WERE	'GETTY 69KV'	35	-0.19065	WERE	'HOLTON 115KV'	12.2	-0.0102	-0.18045	17
WERE	'GETTY 69KV'	35	-0.19065	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01512	-0.17553	18
WERE	'GETTY 69KV'	35	-0.19065	WERE	'SOUTH SENECA 115KV'	8.5	-0.02065	-0.17	18
WERE	'EVANS ENERGY CENTER 138KV'	249.7197	-0.09874	WERE	'CITY OF BURLINGTON 69KV'	10.12	0.04512	-0.14386	22
WERE	'EVANS ENERGY CENTER 138KV'	249.7197	-0.09874	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.04512	-0.14386	22
WEPL	'HARPER 138KV'	17.21	-0.15498	WEPL	'CLIFTON 115KV'	43.35043	-0.0131	-0.14188	22
WEPL	'HARPER 138KV'	17.21	-0.15498	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.02154	-0.13344	23
WEPL	'HARPER 138KV'	17.21	-0.15498	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.03375	-0.12123	26
WEPL	'HARPER 138KV'	17.21	-0.15498	WEPL	'JUDSON LARGE 115KV'	109.0593	-0.03393	-0.12105	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.21457	WERE	'EVANS ENERGY CENTER 138KV'	373.2803	-0.09874	-0.11583	27
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21174	WERE	'EVANS ENERGY CENTER 138KV'	373.2803	-0.09874	-0.113	27
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20918	WERE	'EVANS ENERGY CENTER 138KV'	373.2803	-0.09874	-0.11044	28
WERE	'EVANS ENERGY CENTER 138KV'	249.7197	-0.09874	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00124	-0.09998	31
WERE	'EVANS ENERGY CENTER 138KV'	249.7197	-0.09874	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.3199	0.00053	-0.09927	31
WERE	'EVANS ENERGY CENTER 138KV'	249.7197	-0.09874	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00308	-0.09566	32
WERE	'EVANS ENERGY CENTER 138KV'	249.7197	-0.09874	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00293	-0.09581	32
WERE	'EVANS ENERGY CENTER 138KV'	249.7197	-0.09874	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	-0.00156	-0.09718	32

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

Upgrade: 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: 57837576041570395704211408SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.8	12.2
1090609	1.8	12.2
1090609	0.6	12.2
1090609	1.8	12.2
1090609	7.3	12.2
1090609	0.8	12.2
1090609	1.8	12.2
1090609	0.6	12.2
1090609	1.8	12.2
1090609	7.3	12.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06477	-0.35581	34
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00491	-0.29595	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.00457	-0.29561	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.005	-0.29604	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.00891	-0.29995	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'EVANS ENERGY CENTER 138KV'	565	0.01017	-0.30121	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'GILL ENERGY CENTER 138KV'	171	0.0104	-0.30144	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'GILL ENERGY CENTER 69KV'	75	0.00657	-0.29761	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.00447	-0.29551	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.00447	-0.29551	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00506	-0.2961	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00505	-0.29609	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'LATHAM1234.0 345KV'	100	0.00979	-0.30083	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00491	-0.29595	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'LAWRENCE ENERGY CENTER 230KV'	234.5897	0.005	-0.29604	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.0051	-0.29614	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'WACO 138KV'	17.967	0.01037	-0.30141	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'CHANUTE 69KV'	55.637	0.00405	-0.29509	42
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'CITY OF ERIE 69KV'	22.378	0.00405	-0.29509	42
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'CITY OF IOLA 69KV'	24.471	0.00369	-0.29473	42
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.09966	-0.19138	64

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

Upgrade: 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: 57837576041570395704211408WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.3	5.0
1090609	0.8	5.0
1090609	0.3	5.0
1090609	0.7	5.0
1090609	2.9	5.0

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

1090609	0.3	5.0
1090609	0.8	5.0
1090609	0.3	5.0
1090609	0.7	5.0
1090609	2.9	5.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.35581	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'EVANS ENERGY CENTER 138KV'	195	0.01022	-0.3012	16
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'GILL ENERGY CENTER 138KV'	38.0459	0.01045	-0.30143	16
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'LATHAM1234.0 345KV'	100	0.00985	-0.30083	16
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'WACO 138KV'	17.414	0.01043	-0.30141	16
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'CHANUTE 69KV'	34.903	0.00411	-0.29509	17
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'CITY OF IOLA 69KV'	19.902	0.00375	-0.29473	17
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'CLAY CENTER JUNCTION 115KV'	10.632	0.00505	-0.29603	17
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00896	-0.29994	17
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'HOLTON 115KV'	8.2	0.00552	-0.2965	17
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	0.00452	-0.2955	17
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00511	-0.29609	17
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0051	-0.29608	17
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00496	-0.29594	17
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.2658	0.00505	-0.29603	17
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'SOUTH SENECA 115KV'	8.5	0.00605	-0.29703	17
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.00515	-0.29613	17
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'CITY OF WELLINGTON 69KV'	20	-0.0996	-0.19138	26
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.16443	30
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'EVANS ENERGY CENTER 138KV'	195	0.01022	-0.10982	45
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'GILL ENERGY CENTER 138KV'	38.0459	0.01045	-0.11005	45
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'LATHAM1234.0 345KV'	100	0.00985	-0.10945	45
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'WACO 138KV'	17.414	0.01043	-0.11003	45
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00896	-0.10856	46
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00511	-0.10471	47
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0051	-0.1047	47
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00496	-0.10456	47
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.2658	0.00505	-0.10465	47
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.00515	-0.10475	47
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'CHANUTE 69KV'	34.903	0.00411	-0.10371	48
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'CITY OF IOLA 69KV'	19.902	0.00375	-0.10335	48
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	0.00452	-0.10412	48

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

Upgrade: 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: 57837576041570395704214406FA
Date Redispatch Needed: 10/1/06 - 12/1/06
Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.2	1.7
1090609	0.5	1.7
1090609	0.1	1.7
1090609	0.3	1.7
1090609	0.7	1.7
1090609	0.2	1.7
1090609	0.5	1.7
1090609	0.1	1.7
1090609	0.3	1.7
1090609	0.7	1.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.35584	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00506	-0.29603	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.00469	-0.29566	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CHANUTE 69KV'	39.541	0.00411	-0.29508	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00904	-0.30001	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF ERIE 69KV'	22.171	0.00411	-0.29508	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF GIRARD 69KV'	4.788	0.00233	-0.2933	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF IOLA 69KV'	16.275	0.00372	-0.29469	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF MULVANE 69KV'	4.793	0.01385	-0.30482	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00904	-0.30001	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01027	-0.30124	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'GILL ENERGY CENTER 138KV'	155	0.0105	-0.30147	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.00457	-0.29554	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00521	-0.29618	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00519	-0.29616	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00505	-0.29602	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'LAWRENCE ENERGY CENTER 230KV'	230.6211	0.00514	-0.29611	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'TECUMSEH ENERGY CENTER 115KV'	121.3477	0.00524	-0.29621	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'WACO 138KV'	17.957	0.01048	-0.30145	6
WERE	'OXFORD 138KV'	3	-0.13752	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.20239	8
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF WELLINGTON 69KV'	20	-0.09958	-0.19139	9
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.16445	10
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01027	-0.10985	15
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'GILL ENERGY CENTER 138KV'	155	0.0105	-0.11008	15
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'WACO 138KV'	17.957	0.01048	-0.11006	15
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00506	-0.10464	16
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.00469	-0.10427	16
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'CHANUTE 69KV'	39.541	0.00411	-0.10369	16
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'CITY OF ERIE 69KV'	22.171	0.00411	-0.10369	16
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'CITY OF IOLA 69KV'	16.275	0.00372	-0.1033	16
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00904	-0.10862	16
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.00457	-0.10415	16
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00521	-0.10479	16
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00519	-0.10477	16
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00505	-0.10463	16
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'LAWRENCE ENERGY CENTER 230KV'	230.6211	0.00514	-0.10472	16
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09958	WERE	'TECUMSEH ENERGY CENTER 115KV'	121.3477	0.00524	-0.10482	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	39	0.00469	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.06018	28
WERE	'CHANUTE 69KV'	48.259	0.00411	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.06076	28
WERE	'CITY OF FREDONIA 69KV'	9.668992	0.0046	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.06027	28

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF IOLA 69KV'	21.353	0.00372	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.06115	28
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.00515	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.05972	28
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.00457	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.0603	28
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.00457	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.0603	28
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00519	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.05968	28
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.00505	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.05982	28
WERE	'LAWRENCE ENERGY CENTER 230KV'	38.37894	0.00514	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.05973	28
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00314	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.06173	28
WERE	'SMOKYHIL 230 230KV'	72	0.00471	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.06016	28
WERE	'GILL ENERGY CENTER 69KV'	118	0.00668	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.05819	29
WERE	'HOLTON 115KV'	19.8	0.00562	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.05925	29
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00521	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.05966	29
WERE	'SOUTH SENECA 115KV'	16.7	0.00616	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.05871	29
WERE	'TECUMSEH ENERGY CENTER 115KV'	39.6523	0.00524	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.05963	29
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00524	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.05963	29
WERE	'EVANS ENERGY CENTER 138KV'	283	0.01027	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.0546	31
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.0105	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.05437	31
WERE	'LATHAM1234.0 345KV'	150	0.0099	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.05497	31
WERE	'GETTY 69KV'	35	0.02607	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06487	-0.0388	44
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.03747	OKGE	'AES 161KV'	320	-0.00242	-0.03505	49
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.03747	OKGE	'MUSKOGEE 345KV'	1516	-0.00358	-0.03389	50
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.03747	OKGE	'SEMINOLE 138KV'	385.4342	-0.00688	-0.03059	56
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.03747	OKGE	'SEMINOLE 345KV'	489	-0.00698	-0.03049	56

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

Upgrade: 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
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.2	1.4
1090609	0.4	1.4
1090609	0.2	1.4
1090609	0.2	1.4
1090609	0.5	1.4
1090609	0.2	1.4
1090609	0.4	1.4
1090609	0.2	1.4
1090609	0.2	1.4
1090609	0.5	1.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.35584	4
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CHANUTE 69KV'	35.344	0.00405	-0.29508	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00898	-0.30001	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF ERIE 69KV'	2.2	0.00405	-0.29508	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00454	-0.29557	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF IOLA 69KV'	13.978	0.00367	-0.2947	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF MULVANE 69KV'	3.694	0.01379	-0.30482	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00898	-0.30001	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	156.8254	0.01021	-0.30124	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	0.0045	-0.29553	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00514	-0.29617	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00513	-0.29616	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00499	-0.29602	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.3021	0.00507	-0.2961	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.00518	-0.29621	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'WACO 138KV'	17.953	0.01042	-0.30145	5
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	24.10302	-0.09964	-0.19139	7
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.20239	7
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.09964	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.16445	9
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'CITY OF MULVANE 69KV'	3.694	0.01379	-0.15137	9
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'EVANS ENERGY CENTER 138KV'	156.8254	0.01021	-0.14779	9
WERE	'OXFORD 138KV'	3	-0.13758	WERE	'WACO 138KV'	17.953	0.01042	-0.148	9
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.09964	WERE	'CHANUTE 69KV'	35.344	0.00405	-0.10369	13
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.09964	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00898	-0.10862	13
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.09964	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00454	-0.10418	13
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.09964	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00898	-0.10862	13
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.09964	WERE	'EVANS ENERGY CENTER 138KV'	156.8254	0.01021	-0.10985	13
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.09964	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	0.0045	-0.10414	13
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.09964	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00514	-0.10478	13
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.09964	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00513	-0.10477	13
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.09964	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00499	-0.10463	13
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.09964	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.3021	0.00507	-0.10471	13
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.09964	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.00518	-0.10482	13
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.09964	WERE	'WACO 138KV'	17.953	0.01042	-0.11006	13
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.09964	WERE	'CITY OF IOLA 69KV'	13.978	0.00367	-0.10331	14
WERE	'CITY OF GIRARD 69KV'	9.207	0.00228	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06253	22
WERE	'ABILENE ENERGY CENTER 115KV'	66	0.00499	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05982	23
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	0.00462	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06019	23
WERE	'CHANUTE 69KV'	52.456	0.00405	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06076	23
WERE	'CITY OF ERIE 69KV'	24.33	0.00405	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06076	23
WERE	'CITY OF IOLA 69KV'	23.65	0.00367	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06114	23
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.00508	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05973	23
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	0.0045	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06031	23
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.0045	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06031	23
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00514	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05967	23
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00513	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05968	23
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.00499	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05982	23
WERE	'LAWRENCE ENERGY CENTER 230KV'	37.69791	0.00507	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05974	23
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00308	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06173	23
WERE	'SMOKYHIL 230 230KV'	72	0.00464	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06017	23
WERE	'TECUMSEH ENERGY CENTER 115KV'	143	0.00518	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05963	23
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00517	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05964	23
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.00554	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05927	24
WERE	'GILL ENERGY CENTER 69KV'	118	0.00662	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05819	24
WERE	'HOLTON 115KV'	19.8	0.00555	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05926	24
WERE	'SOUTH SENECA 115KV'	16.7	0.00608	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05873	24
WERE	'LATHAM1234.0 345KV'	150	0.00984	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05497	25

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'EVANS ENERGY CENTER 138KV'	636.1746	0.01021	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.0546	26
WERE	'GILL ENERGY CENTER 138KV'	218	0.01044	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05437	26
WERE	'CITY OF MULVANE 69KV'	12.096	0.01379	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05102	27
WERE	'GETTY 69KV'	35	0.02601	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.0388	36
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.03752	OKGE	'AES 161KV'	310	-0.00252	-0.035	40
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.03752	OKGE	'MUSKOGEE 345KV'	1516	-0.00366	-0.03386	41
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.03752	OKGE	'SEMINOLE 138KV'	160.6768	-0.00696	-0.03056	46
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.03752	OKGE	'SEMINOLE 345KV'	489	-0.00706	-0.03046	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

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: 57837576041570395704214407FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.5	6.4
1090609	1.1	6.4
1090609	0.4	6.4
1090609	0.9	6.4
1090609	3.6	6.4
1090609	0.5	6.4
1090609	1.1	6.4
1090609	0.4	6.4
1090609	0.9	6.4
1090609	3.6	6.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.35582	18
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.00505	-0.29607	21
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00896	-0.29998	21
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'EVANS ENERGY CENTER 138KV'	305	0.0102	-0.30122	21
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'GILL ENERGY CENTER 138KV'	155	0.01043	-0.30145	21
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'HOLTON 115KV'	8.2	0.00553	-0.29655	21
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00511	-0.29613	21
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00509	-0.29611	21
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.115	0.00504	-0.29606	21
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'SOUTH SENECA 115KV'	8.5	0.00607	-0.29709	21
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00515	-0.29617	21
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'WACO 138KV'	17.946	0.0104	-0.30142	21
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00495	-0.29597	22
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CHANUTE 69KV'	56.296	0.00402	-0.29504	22
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF IOLA 69KV'	24.256	0.00363	-0.29465	22
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'HUTCHINSON ENERGY CENTER 115KV'	72.17331	0.00451	-0.29553	22
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF WELLINGTON 69KV'	20	-0.09964	-0.19138	33
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.16444	39
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'EVANS ENERGY CENTER 138KV'	305	0.0102	-0.10984	58
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'GILL ENERGY CENTER 138KV'	155	0.01043	-0.11007	58
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00896	-0.1086	59
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00495	-0.10459	61
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'CHANUTE 69KV'	56.296	0.00402	-0.10366	61
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'HUTCHINSON ENERGY CENTER 115KV'	72.17331	0.00451	-0.10415	61
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00511	-0.10475	61
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00509	-0.10473	61
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.115	0.00504	-0.10468	61
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00515	-0.10479	61
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'CITY OF IOLA 69KV'	24.256	0.00363	-0.10327	62
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.0375	OKGE	'AES 161KV'	320	-0.00249	-0.03501	182
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.0375	OKGE	'MUSKOGEE 345KV'	1516	-0.0036	-0.0339	188

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

Upgrade: 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: 57837576041570395704214407G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.6	5.8
1090609	1.3	5.8
1090609	0.5	5.8
1090609	1.0	5.8
1090609	2.4	5.8
1090609	0.6	5.8
1090609	1.3	5.8
1090609	0.5	5.8
1090609	1.0	5.8
1090609	2.4	5.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.35584	16
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00499	-0.29602	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	20.09	0.00898	-0.30001	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01021	-0.30124	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'GILL ENERGY CENTER 138KV'	155	0.01044	-0.30147	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HOLTON 115KV'	12.2	0.00556	-0.29659	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00514	-0.29617	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00513	-0.29616	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00498	-0.29601	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.9228	0.00507	-0.2961	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.00518	-0.29621	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'WACO 138KV'	18	0.01042	-0.30145	19
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'BPU - CITY OF MCPHERSON 115KV'	127.0369	0.00462	-0.29565	20
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CHANUTE 69KV'	40.39	0.00405	-0.29508	20

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF IOLA 69KV'	17.08	0.00367	-0.2947	20
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0045	-0.29553	20
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	27.198	-0.09964	-0.19139	30
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.16445	35

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

Upgrade: 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: 57837576041570395704214407SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.8	11.1
1090609	1.6	11.1
1090609	0.6	11.1
1090609	1.3	11.1
1090609	6.8	11.1
1090609	0.8	11.1
1090609	1.6	11.1
1090609	0.6	11.1
1090609	1.3	11.1
1090609	6.8	11.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.35582	31
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00494	-0.29597	37
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'BPU - CITY OF MCPHERSON 115KV'	77.13525	0.0046	-0.29563	37
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	0.00503	-0.29606	37
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00895	-0.29998	37
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01018	-0.30121	37
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'GILL ENERGY CENTER 138KV'	155	0.01042	-0.30145	37
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0045	-0.29553	37
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00509	-0.29612	37
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00508	-0.29611	37
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00494	-0.29597	37
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.9843	0.00502	-0.29605	37
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00513	-0.29616	37
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'WACO 138KV'	17.947	0.01039	-0.30142	37
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CHANUTE 69KV'	46.617	0.004	-0.29503	38
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF ERIE 69KV'	22.264	0.004	-0.29503	38
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF IOLA 69KV'	19.865	0.00362	-0.29465	38
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.09965	-0.19138	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

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: 57837576041570395704214407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	1.0	14.6
1090609	2.1	14.6
1090609	0.7	14.6
1090609	1.7	14.6
1090609	9.1	14.6
1090609	1.0	14.6
1090609	2.1	14.6
1090609	0.7	14.6
1090609	1.7	14.6
1090609	9.1	14.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.35582	41
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	544.001	0.01018	-0.30121	48
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'GILL ENERGY CENTER 138KV'	171	0.01042	-0.30145	48
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'WACO 138KV'	17.96	0.01039	-0.30142	48
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00494	-0.29597	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0046	-0.29563	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CHANUTE 69KV'	56.723	0.004	-0.29503	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF ERIE 69KV'	22.274	0.004	-0.29503	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF IOLA 69KV'	24.267	0.00362	-0.29465	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.00503	-0.29606	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00895	-0.29998	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'GILL ENERGY CENTER 69KV'	45	0.00659	-0.29762	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.0045	-0.29553	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.0045	-0.29553	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00509	-0.29612	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00508	-0.29611	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00494	-0.29597	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.7283	0.00502	-0.29605	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00513	-0.29616	49
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.09965	-0.19138	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

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: 57837576041570395704214407WP
Date Redispatch Needed: 12/1/07 - 4/1/08

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.4	4.2
1090609	0.8	4.2
1090609	0.2	4.2
1090609	0.6	4.2
1090609	2.3	4.2
1090609	0.4	4.2
1090609	0.8	4.2
1090609	0.2	4.2
1090609	0.6	4.2
1090609	2.3	4.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.35581	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CHANUTE 69KV'	34.818	0.00407	-0.29504	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.009	-0.29997	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00456	-0.29553	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF IOLA 69KV'	14.565	0.00368	-0.29465	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CLAY CENTER JUNCTION 115KV'	8.375996	0.00508	-0.29605	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.009	-0.29997	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'EVANS ENERGY CENTER 138KV'	149.2939	0.01024	-0.30121	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'HOLTON 115KV'	8.2	0.00555	-0.29652	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	0.00455	-0.29552	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00514	-0.29611	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00513	-0.2961	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'LATHAM1234.0 345KV'	100	0.00986	-0.30083	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00498	-0.29595	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.1585	0.00507	-0.29604	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'SOUTH SENECA 115KV'	8.5	0.00609	-0.29706	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.00518	-0.29615	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'WACO 138KV'	17.93	0.01045	-0.30142	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF WELLINGTON 69KV'	20	-0.09959	-0.19138	22
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.16443	26
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.009	-0.10859	39
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'EVANS ENERGY CENTER 138KV'	149.2939	0.01024	-0.10983	39
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'LATHAM1234.0 345KV'	100	0.00986	-0.10945	39
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'WACO 138KV'	17.93	0.01045	-0.11004	39
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00514	-0.10473	40
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00513	-0.10472	40
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.1585	0.00507	-0.10466	40
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.00518	-0.10477	40
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'CHANUTE 69KV'	34.818	0.00407	-0.10366	41
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'CITY OF IOLA 69KV'	14.565	0.00368	-0.10327	41
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	0.00455	-0.10414	41
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00498	-0.10457	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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: FARBER - SUMNER COUNTY NO. 10 BELLE PLAIN 138KV CKT 1
Flowgate: 57837576041570425706311408SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.8	12.2
1090609	1.8	12.2
1090609	0.6	12.2
1090609	1.8	12.2
1090609	7.3	12.2
1090609	0.8	12.2
1090609	1.8	12.2
1090609	0.6	12.2
1090609	1.8	12.2
1090609	7.3	12.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06477	-0.35581	34
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00491	-0.29595	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.00457	-0.29561	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.005	-0.29604	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.00891	-0.29995	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'EVANS ENERGY CENTER 138KV'	565	0.01017	-0.30121	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'GILL ENERGY CENTER 138KV'	171	0.0104	-0.30144	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'GILL ENERGY CENTER 69KV'	75	0.00657	-0.29761	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.00447	-0.29551	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.00447	-0.29551	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00506	-0.2961	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00505	-0.29609	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'LATHAM1234.0 345KV'	100	0.00979	-0.30083	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00491	-0.29595	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'LAWRENCE ENERGY CENTER 230KV'	234.5897	0.005	-0.29604	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.0051	-0.29614	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'WACO 138KV'	17.967	0.01037	-0.30141	41
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'CHANUTE 69KV'	55.637	0.00405	-0.29509	42
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'CITY OF ERIE 69KV'	22.378	0.00405	-0.29509	42
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'CITY OF IOLA 69KV'	24.471	0.00369	-0.29473	42
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.29104	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.09966	-0.19138	64

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: FARBER - SUMNER COUNTY NO. 10 BELLE PLAIN 138KV CKT 1
Flowgate: 57837576041570425706311408WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.2	2.8
1090609	0.4	2.8
1090609	0.2	2.8
1090609	0.4	2.8
1090609	1.6	2.8
1090609	0.2	2.8
1090609	0.4	2.8
1090609	0.2	2.8
1090609	0.4	2.8
1090609	1.6	2.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.35581	8
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00896	-0.29994	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'CITY OF MULVANE 69KV'	3.921	0.0138	-0.30478	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00896	-0.29994	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'EVANS ENERGY CENTER 138KV'	195	0.01022	-0.3012	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'GILL ENERGY CENTER 138KV'	38.0459	0.01045	-0.30143	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'LATHAM1234.0 345KV'	100	0.00985	-0.30083	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'WACO 138KV'	17.414	0.01043	-0.30141	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'CHANUTE 69KV'	34.903	0.00411	-0.29509	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00457	-0.29555	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'CITY OF IOLA 69KV'	19.902	0.00375	-0.29473	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'CLAY CENTER JUNCTION 115KV'	10.632	0.00505	-0.29603	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'HOLTON 115KV'	8.2	0.00552	-0.2965	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	0.00452	-0.2955	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00511	-0.29609	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0051	-0.29608	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00496	-0.29594	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.2658	0.00505	-0.29603	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'SOUTH SENECA 115KV'	8.5	0.00605	-0.29703	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.00515	-0.29613	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.29098	WERE	'CITY OF WELLINGTON 69KV'	20	-0.0996	-0.19138	15
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.16443	17
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00896	-0.10856	26
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'EVANS ENERGY CENTER 138KV'	195	0.01022	-0.10982	26
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'GILL ENERGY CENTER 138KV'	38.0459	0.01045	-0.11005	26
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'LATHAM1234.0 345KV'	100	0.00985	-0.10945	26
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'WACO 138KV'	17.414	0.01043	-0.11003	26
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'CHANUTE 69KV'	34.903	0.00411	-0.10371	27
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'CITY OF IOLA 69KV'	19.902	0.00375	-0.10335	27
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'CLAY CENTER JUNCTION 115KV'	10.632	0.00505	-0.10465	27
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	0.00452	-0.10412	27
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00511	-0.10471	27
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0051	-0.1047	27
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00496	-0.10456	27
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.2658	0.00505	-0.10465	27
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.0996	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.00515	-0.10475	27
WERE	'CITY OF IOLA 69KV'	17.726	0.00375	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.06108	46
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00311	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.06172	46
WERE	'ABILENE ENERGY CENTER 115KV'	66	0.00496	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.05987	47
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	0.00462	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.06021	47
WERE	'CHANUTE 69KV'	52.897	0.00411	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.06072	47
WERE	'CITY OF ERIE 69KV'	24.138	0.00411	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.06072	47
WERE	'CLAY CENTER JUNCTION 115KV'	27.468	0.00505	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.05978	47
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	0.00452	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.06031	47
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.00452	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.06031	47
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00511	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.05972	47
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.0051	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.05973	47
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.00496	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.05987	47
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.73422	0.00505	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.05978	47
WERE	'SMOKYHIL 230 230KV'	72	0.00451	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.06032	47
WERE	'TECUMSEH ENERGY CENTER 115KV'	123	0.00515	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.05968	48
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00515	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.05968	48
WERE	'GILL ENERGY CENTER 69KV'	118	0.00663	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.0582	49
WERE	'EVANS ENERGY CENTER 138KV'	752	0.01022	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.05461	52
WERE	'GILL ENERGY CENTER 138KV'	156.9541	0.01045	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.05438	52
WERE	'LATHAM1234.0 345KV'	50	0.00985	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06483	-0.05498	52

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: FARBER - SUMNER COUNTY NO. 10 BELLE PLAIN 138KV CKT 1
Flowgate: 57837576041570425706314407FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.3	4.0
1090609	0.7	4.0
1090609	0.3	4.0
1090609	0.5	4.0
1090609	2.2	4.0
1090609	0.3	4.0
1090609	0.7	4.0
1090609	0.3	4.0
1090609	0.5	4.0
1090609	2.2	4.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.35582	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00495	-0.29597	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CHANUTE 69KV'	56.296	0.00402	-0.29504	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00896	-0.29998	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF FREDONIA 69KV'	5.225	0.0045	-0.29552	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF MULVANE 69KV'	4.891	0.01378	-0.3048	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.00505	-0.29607	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00896	-0.29998	13

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'EVANS ENERGY CENTER 138KV'	305	0.0102	-0.30122	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'GILL ENERGY CENTER 138KV'	155	0.01043	-0.30145	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'HOLTON 115KV'	8.2	0.00553	-0.29655	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'HUTCHINSON ENERGY CENTER 115KV'	72.17331	0.00451	-0.29553	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00511	-0.29613	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00509	-0.29611	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.115	0.00504	-0.29606	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'SOUTH SENECA 115KV'	8.5	0.00607	-0.29709	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00515	-0.29617	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'WACO 138KV'	17.946	0.0104	-0.30142	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF IOLA 69KV'	24.256	0.00363	-0.29465	14
WERE	'CITY OF WINFIELD 69KV'	40	-0.29102	WERE	'CITY OF WELLINGTON 69KV'	20	-0.09964	-0.19138	21
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0648	-0.16444	24
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'EVANS ENERGY CENTER 138KV'	305	0.0102	-0.10984	36
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'GILL ENERGY CENTER 138KV'	155	0.01043	-0.11007	36
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'WACO 138KV'	17.946	0.0104	-0.11004	36
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00896	-0.1086	37
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00495	-0.10459	38
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'CHANUTE 69KV'	56.296	0.00402	-0.10366	38
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'HUTCHINSON ENERGY CENTER 115KV'	72.17331	0.00451	-0.10415	38
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00511	-0.10475	38
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00509	-0.10473	38
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.115	0.00504	-0.10468	38
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00515	-0.10479	38
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09964	WERE	'CITY OF IOLA 69KV'	24.256	0.00363	-0.10327	39
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.0375	OKGE	'AES 161KV'	320	-0.00249	-0.03501	114
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.0375	OKGE	'MUSKOGEE 345KV'	1516	-0.0036	-0.0339	117
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.0375	OKGE	'SEMINOLE 138KV'	461.789	-0.00691	-0.03059	130
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.0375	OKGE	'SEMINOLE 345KV'	590.52	-0.00701	-0.03049	131

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: FARBER - SUMNER COUNTY NO. 10 BELLE PLAIN 138KV CKT 1
Flowgate: 57837576041570425706314407G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.4	3.2
1090609	0.6	3.2
1090609	0.2	3.2
1090609	0.6	3.2
1090609	1.3	3.2
1090609	0.4	3.2
1090609	0.6	3.2
1090609	0.2	3.2
1090609	0.6	3.2
1090609	1.3	3.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.35584	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00499	-0.29602	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'BPU - CITY OF MCPHERSON 115KV'	127.0369	0.00462	-0.29565	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CHANUTE 69KV'	40.39	0.00405	-0.29508	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00898	-0.30001	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00454	-0.29557	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF IOLA 69KV'	17.08	0.00367	-0.2947	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF MULVANE 69KV'	4.922	0.01379	-0.30482	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	20.09	0.00898	-0.30001	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01021	-0.30124	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'GILL ENERGY CENTER 138KV'	155	0.01044	-0.30147	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HOLTON 115KV'	12.2	0.00556	-0.29659	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0045	-0.29553	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00514	-0.29617	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00513	-0.29616	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00498	-0.29601	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.9228	0.00507	-0.2961	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.00518	-0.29621	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'WACO 138KV'	18	0.01042	-0.30145	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	27.198	-0.09964	-0.19139	17
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.16445	20
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01021	-0.10985	29
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'GILL ENERGY CENTER 138KV'	155	0.01044	-0.11008	29
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'WACO 138KV'	18	0.01042	-0.11006	29
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	20.09	0.00898	-0.10862	30
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00499	-0.10463	31
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'BPU - CITY OF MCPHERSON 115KV'	127.0369	0.00462	-0.10426	31
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'CHANUTE 69KV'	40.39	0.00405	-0.10369	31
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'CITY OF IOLA 69KV'	17.08	0.00367	-0.10331	31
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'HOLTON 115KV'	12.2	0.00556	-0.1052	31
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0045	-0.10414	31
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00514	-0.10478	31
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00513	-0.10477	31
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00498	-0.10462	31
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.9228	0.00507	-0.10471	31
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.09964	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.00518	-0.10482	31
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00309	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06172	52
WERE	'BPU - CITY OF MCPHERSON 115KV'	46.96313	0.00462	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06019	53
WERE	'CHANUTE 69KV'	47.41	0.00405	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06076	53
WERE	'CITY OF ERIE 69KV'	24.229	0.00405	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06076	53
WERE	'CITY OF IOLA 69KV'	20.548	0.00367	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06114	53
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.0045	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06031	53
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.0045	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06031	53
WERE	'SMOKYHIL 230 230KV'	72	0.00465	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.06016	53
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.00509	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05972	54
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00514	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05967	54
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00513	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05968	54
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.00498	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05983	54
WERE	'LAWRENCE ENERGY CENTER 230KV'	36.07718	0.00507	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05974	54
WERE	'TECUMSEH ENERGY CENTER 115KV'	123	0.00518	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05963	54
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00517	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05964	54

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'GILL ENERGY CENTER 69KV'	118	0.00662	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05819	55
WERE	'LATHAM1234.0 345KV'	150	0.00984	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.05497	58
WERE	'EVANS ENERGY CENTER 138KV'	313	0.01021	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06481	-0.0546	59

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: FARBER - SUMNER COUNTY NO. 10 BELLE PLAIN 138KV CKT 1
Flowgate: 57837576041570425706314407SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.5	8.1
1090609	1.2	8.1
1090609	0.4	8.1
1090609	1.0	8.1
1090609	4.9	8.1
1090609	0.5	8.1
1090609	1.2	8.1
1090609	0.4	8.1
1090609	1.0	8.1
1090609	4.9	8.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06479	-0.35582	23
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00494	-0.29597	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'BPU - CITY OF MCPHERSON 115KV'	77.13525	0.0046	-0.29563	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CHANUTE 69KV'	46.617	0.004	-0.29503	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF ERIE 69KV'	22.264	0.004	-0.29503	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF IOLA 69KV'	19.865	0.00362	-0.29465	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	0.00503	-0.29606	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00895	-0.29998	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01018	-0.30121	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'GILL ENERGY CENTER 138KV'	155	0.01042	-0.30145	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HOLTON 115KV'	12.2	0.00551	-0.29654	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0045	-0.29553	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00509	-0.29612	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00508	-0.29611	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00494	-0.29597	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.9843	0.00502	-0.29605	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00513	-0.29616	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'WACO 138KV'	17.947	0.01039	-0.30142	27
WERE	'CITY OF WINFIELD 69KV'	40	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.09965	-0.19138	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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: FARBER - SUMNER COUNTY NO. 10 BELLE PLAIN 138KV CKT 1
Flowgate: 57837576041570425706314407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	1.0	13.5
1090609	2.0	13.5
1090609	0.7	13.5
1090609	1.6	13.5
1090609	8.3	13.5
1090609	1.0	13.5
1090609	2.0	13.5
1090609	0.7	13.5
1090609	1.6	13.5
1090609	8.3	13.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06479	-0.35582	38
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00895	-0.29998	45
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'EVANS ENERGY CENTER 138KV'	544.001	0.01018	-0.30121	45
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'GILL ENERGY CENTER 138KV'	171	0.01042	-0.30145	45
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'GILL ENERGY CENTER 69KV'	45	0.00659	-0.29762	45
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'WACO 138KV'	17.96	0.01039	-0.30142	45
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00494	-0.29597	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0046	-0.29563	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CHANUTE 69KV'	56.723	0.004	-0.29503	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF ERIE 69KV'	22.274	0.004	-0.29503	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF IOLA 69KV'	24.267	0.00362	-0.29465	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.00503	-0.29606	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.0045	-0.29553	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.0045	-0.29553	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00509	-0.29612	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00508	-0.29611	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00494	-0.29597	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.7283	0.00502	-0.29605	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00513	-0.29616	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.29103	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.09965	-0.19138	70

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: FARBER - SUMNER COUNTY NO. 10 BELLE PLAIN 138KV CKT 1
Flowgate: 57837576041570425706314407WP
Date Redispatch Needed: 12/1/07 - 4/1/08

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.3	2.1
1090609	0.4	2.1
1090609	0.1	2.1
1090609	0.4	2.1
1090609	1.0	2.1
1090609	0.3	2.1
1090609	0.4	2.1
1090609	0.1	2.1
1090609	0.4	2.1
1090609	1.0	2.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.35581	6
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CHANUTE 69KV'	34.818	0.00407	-0.29504	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.009	-0.29997	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00456	-0.29553	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF IOLA 69KV'	14.565	0.00368	-0.29465	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF MULVANE 69KV'	3.791	0.01383	-0.3048	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CLAY CENTER JUNCTION 115KV'	8.375996	0.00508	-0.29605	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.009	-0.29997	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'EVANS ENERGY CENTER 138KV'	149.2939	0.01024	-0.30121	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'HOLTON 115KV'	8.2	0.00555	-0.29652	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	0.00455	-0.29552	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00514	-0.29611	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00513	-0.2961	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'LATHAM1234.0 345KV'	100	0.00986	-0.30083	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00498	-0.29595	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.1585	0.00507	-0.29604	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'SOUTH SENECA 115KV'	8.5	0.00609	-0.29706	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.00518	-0.29615	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'WACO 138KV'	17.93	0.01045	-0.30142	7
WERE	'CITY OF WINFIELD 69KV'	40	-0.29097	WERE	'CITY OF WELLINGTON 69KV'	20	-0.09959	-0.19138	11
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.16443	13
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'EVANS ENERGY CENTER 138KV'	149.2939	0.01024	-0.10983	19
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'LATHAM1234.0 345KV'	100	0.00986	-0.10945	19
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'WACO 138KV'	17.93	0.01045	-0.11004	19
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'CLAY CENTER JUNCTION 115KV'	8.375996	0.00508	-0.10467	20
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.009	-0.10859	20
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'HOLTON 115KV'	8.2	0.00555	-0.10514	20
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	0.00455	-0.10414	20
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00514	-0.10473	20
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00513	-0.10472	20
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00498	-0.10457	20
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.1585	0.00507	-0.10466	20
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'SOUTH SENECA 115KV'	8.5	0.00609	-0.10568	20
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.00518	-0.10477	20
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'CHANUTE 69KV'	34.818	0.00407	-0.10366	21
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.09959	WERE	'CITY OF IOLA 69KV'	14.565	0.00368	-0.10327	21
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.0031	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.06174	34
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	0.00464	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.0602	35
WERE	'CHANUTE 69KV'	52.982	0.00407	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.06077	35
WERE	'CITY OF ERIE 69KV'	24.231	0.00407	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.06077	35
WERE	'CITY OF IOLA 69KV'	23.063	0.00368	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.06116	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	0.00455	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.06029	35
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.00455	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.06029	35
WERE	'SMOKYHIL 230 230KV'	72	0.00453	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.06031	35
WERE	'ABILENE ENERGY CENTER 115KV'	66	0.00499	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.05985	36
WERE	'CLAY CENTER JUNCTION 115KV'	29.72401	0.00508	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.05976	36
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00514	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.0597	36
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00513	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.05971	36
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.00498	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.05986	36
WERE	'LAWRENCE ENERGY CENTER 230KV'	37.84149	0.00507	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.05977	36
WERE	'TECUMSEH ENERGY CENTER 115KV'	73	0.00518	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.05966	36
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00517	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.05967	36
WERE	'GILL ENERGY CENTER 69KV'	118	0.00665	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.05819	37
WERE	'EVANS ENERGY CENTER 138KV'	643.7061	0.01024	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.0546	39
WERE	'GILL ENERGY CENTER 138KV'	218	0.01047	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.05437	39
WERE	'LATHAM1234.0 345KV'	50	0.00986	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.05498	39
WERE	'GETTY 69KV'	35	0.02604	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06484	-0.0388	55

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: SPP-WERE-40
Flowgate: 57837576041SPP-WERE-401408SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.9	12.6
1090609	1.9	12.6
1090609	0.6	12.6
1090609	1.9	12.6
1090609	7.3	12.6
1090609	0.9	12.6
1090609	1.9	12.6
1090609	0.6	12.6
1090609	1.9	12.6
1090609	7.3	12.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06267	-0.37125	34
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00457	-0.31315	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.00424	-0.31282	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'CHANUTE 69KV'	55.637	0.00385	-0.31243	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'CITY OF ERIE 69KV'	22.378	0.00385	-0.31243	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'CITY OF IOLA 69KV'	24.471	0.0035	-0.31208	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.00466	-0.31324	40

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.00835	-0.31693	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'EVANS ENERGY CENTER 138KV'	565	0.00932	-0.3179	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'GILL ENERGY CENTER 138KV'	171	0.00916	-0.31774	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'GILL ENERGY CENTER 69KV'	75	0.00491	-0.31349	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.00414	-0.31272	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.00414	-0.31272	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00472	-0.3133	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00471	-0.31329	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'LATHAM1234.0 345KV'	100	0.00919	-0.31777	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00459	-0.31317	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'LAWRENCE ENERGY CENTER 230KV'	234.5897	0.00467	-0.31325	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00476	-0.31334	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'WACO 138KV'	17.967	0.00918	-0.31776	40
WERE	'CITY OF WINFIELD 69KV'	25.222	-0.30858	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.11255	-0.19603	64

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: SPP-WERE-40
Flowgate: 57837576041SPP-WERE-401408WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.3	3.9
1090609	0.6	3.9
1090609	0.2	3.9
1090609	0.6	3.9
1090609	2.1	3.9
1090609	0.3	3.9
1090609	0.6	3.9
1090609	0.2	3.9
1090609	0.6	3.9
1090609	2.1	3.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06272	-0.37124	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'CHANUTE 69KV'	34.903	0.00391	-0.31243	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00841	-0.31693	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00435	-0.31287	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'CITY OF IOLA 69KV'	19.902	0.00356	-0.31208	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'CLAY CENTER JUNCTION 115KV'	10.632	0.00471	-0.31323	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00841	-0.31693	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'EVANS ENERGY CENTER 138KV'	195	0.00937	-0.31789	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'GILL ENERGY CENTER 138KV'	38.0459	0.00921	-0.31773	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'HOLTON 115KV'	8.2	0.00518	-0.3137	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	0.00419	-0.31271	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00477	-0.31329	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00475	-0.31327	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'LATHAM1234.0 345KV'	100	0.00925	-0.31777	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00463	-0.31315	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.2658	0.00471	-0.31323	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'SOUTH SENECA 115KV'	8.5	0.00569	-0.31421	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.00481	-0.31333	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'WACO 138KV'	17.414	0.00923	-0.31775	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30852	WERE	'CITY OF WELLINGTON 69KV'	20	-0.11249	-0.19603	20
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11249	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06272	-0.17521	22
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11249	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00841	-0.1209	32
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11249	WERE	'EVANS ENERGY CENTER 138KV'	195	0.00937	-0.12186	32
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11249	WERE	'GILL ENERGY CENTER 138KV'	38.0459	0.00921	-0.1217	32
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11249	WERE	'LATHAM1234.0 345KV'	100	0.00925	-0.12174	32
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11249	WERE	'WACO 138KV'	17.414	0.00923	-0.12172	32
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11249	WERE	'CHANUTE 69KV'	34.903	0.00391	-0.1164	33
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11249	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	0.00419	-0.11668	33
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11249	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00477	-0.11726	33
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11249	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00475	-0.11724	33
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11249	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00463	-0.11712	33
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11249	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.2658	0.00471	-0.1172	33
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11249	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.00481	-0.1173	33
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11249	WERE	'CITY OF IOLA 69KV'	19.902	0.00356	-0.11605	34

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: SPP-WERE-40
Flowgate: 57837576041SPP-WERE-404407FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.4	4.7
1090609	0.8	4.7
1090609	0.3	4.7
1090609	0.7	4.7
1090609	2.5	4.7
1090609	0.4	4.7
1090609	0.8	4.7
1090609	0.3	4.7
1090609	0.7	4.7
1090609	2.5	4.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.37126	13
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00461	-0.31317	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CHANUTE 69KV'	56.296	0.00382	-0.31238	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00429	-0.31285	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CITY OF IOLA 69KV'	24.256	0.00344	-0.312	15

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.0047	-0.31326	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0084	-0.31696	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00935	-0.31791	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'GILL ENERGY CENTER 138KV'	155	0.00919	-0.31775	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'HOLTON 115KV'	8.2	0.00518	-0.31374	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'HUTCHINSON ENERGY CENTER 115KV'	72.17331	0.00418	-0.31274	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00477	-0.31333	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00475	-0.31331	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.115	0.0047	-0.31326	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'SOUTH SENECA 115KV'	8.5	0.00571	-0.31427	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0048	-0.31336	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'WACO 138KV'	17.946	0.00921	-0.31777	15
WERE	'CITY OF WINFIELD 69KV'	40	-0.30856	WERE	'CITY OF WELLINGTON 69KV'	20	-0.11253	-0.19603	24
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0627	-0.17523	27
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0084	-0.12093	39
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00935	-0.12188	39
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'GILL ENERGY CENTER 138KV'	155	0.00919	-0.12172	39
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'WACO 138KV'	17.946	0.00921	-0.12174	39
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00461	-0.11714	40
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00477	-0.1173	40
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00475	-0.11728	40
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.115	0.0047	-0.11723	40
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.0048	-0.11733	40
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'CHANUTE 69KV'	56.296	0.00382	-0.11635	41
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'CITY OF IOLA 69KV'	24.256	0.00344	-0.11597	41
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11253	WERE	'HUTCHINSON ENERGY CENTER 115KV'	72.17331	0.00418	-0.11671	41
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.03511	OKGE	'AES 161KV'	320	-0.00233	-0.03278	144
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.03511	OKGE	'MUSKOGEE 345KV'	1516	-0.00337	-0.03174	149

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: SPP-WERE-40
Flowgate: 57837576041SPP-WERE-404407G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.4	3.8
1090609	0.8	3.8
1090609	0.4	3.8
1090609	0.7	3.8
1090609	1.6	3.8
1090609	0.4	3.8
1090609	0.8	3.8
1090609	0.4	3.8
1090609	0.7	3.8
1090609	1.6	3.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06271	-0.37128	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00465	-0.31322	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'BPU - CITY OF MCPHERSON 115KV'	127.0369	0.00429	-0.31286	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CHANUTE 69KV'	40.39	0.00385	-0.31242	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00842	-0.31699	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00433	-0.3129	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF IOLA 69KV'	17.08	0.00348	-0.31205	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF MULVANE 69KV'	4.922	0.0126	-0.32117	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	20.09	0.00842	-0.31699	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'EVANS ENERGY CENTER 138KV'	340	0.00936	-0.31793	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'GILL ENERGY CENTER 138KV'	155	0.0092	-0.31777	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'HOLTON 115KV'	12.2	0.00521	-0.31378	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.00416	-0.31273	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0048	-0.31337	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00478	-0.31335	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00465	-0.31322	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.9228	0.00473	-0.3133	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.00483	-0.3134	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'WACO 138KV'	18	0.00922	-0.31779	12
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF WELLINGTON 69KV'	27.198	-0.11253	-0.19604	20
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06271	-0.17524	22
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	20.09	0.00842	-0.12095	32
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'EVANS ENERGY CENTER 138KV'	340	0.00936	-0.12189	32
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'GILL ENERGY CENTER 138KV'	155	0.0092	-0.12173	32
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'WACO 138KV'	18	0.00922	-0.12175	32
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00465	-0.11718	33
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'BPU - CITY OF MCPHERSON 115KV'	127.0369	0.00429	-0.11682	33
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'CHANUTE 69KV'	40.39	0.00385	-0.11638	33
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'CITY OF IOLA 69KV'	17.08	0.00348	-0.11601	33
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'HOLTON 115KV'	12.2	0.00521	-0.11774	33
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.00416	-0.11669	33
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0048	-0.11733	33
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00478	-0.11731	33
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00465	-0.11718	33
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.9228	0.00473	-0.11726	33
WERE	'CITY OF WELLINGTON 69KV'	16.302	-0.11253	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.00483	-0.11736	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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: SPP-WERE-40
Flowgate: 57837576041SPP-WERE-404407SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.7	9.2
1090609	1.4	9.2

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

1090609	0.5	9.2
1090609	1.1	9.2
1090609	5.5	9.2
1090609	0.7	9.2
1090609	1.4	9.2
1090609	0.5	9.2
1090609	1.1	9.2
1090609	5.5	9.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06269	-0.37126	25
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00459	-0.31316	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'BPU - CITY OF MCPHERSON 115KV'	77.13525	0.00426	-0.31283	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CHANUTE 69KV'	46.617	0.00381	-0.31238	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF ERIE 69KV'	22.264	0.00381	-0.31238	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF IOLA 69KV'	19.865	0.00343	-0.312	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	0.00469	-0.31326	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00839	-0.31696	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'EVANS ENERGY CENTER 138KV'	340	0.00934	-0.31791	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'GILL ENERGY CENTER 138KV'	155	0.00918	-0.31775	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'HOLTON 115KV'	12.2	0.00516	-0.31373	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.00416	-0.31273	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00475	-0.31332	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00474	-0.31331	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00461	-0.31318	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.9843	0.00469	-0.31326	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00479	-0.31336	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'WACO 138KV'	17.947	0.00919	-0.31776	29
WERE	'CITY OF WINFIELD 69KV'	40	-0.30857	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.11254	-0.19603	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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: SPP-WERE-40
Flowgate: 57837576041SPP-WERE-404407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	1.0	14.7
1090609	2.2	14.7
1090609	0.7	14.7
1090609	1.8	14.7
1090609	8.9	14.7
1090609	1.0	14.7
1090609	2.2	14.7
1090609	0.7	14.7
1090609	1.8	14.7
1090609	8.9	14.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF AUGUSTA 69KV'	25.12	0.06269	-0.37126	40
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00839	-0.31696	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'EVANS ENERGY CENTER 138KV'	544.001	0.00934	-0.31791	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'GILL ENERGY CENTER 138KV'	171	0.00918	-0.31775	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'WACO 138KV'	17.96	0.00919	-0.31776	46
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00459	-0.31316	47
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.00426	-0.31283	47
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CHANUTE 69KV'	56.723	0.00381	-0.31238	47
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF ERIE 69KV'	22.274	0.00381	-0.31238	47
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF IOLA 69KV'	24.267	0.00343	-0.312	47
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CLAY CENTER JUNCTION 115KV'	28.875	0.00469	-0.31326	47
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'GILL ENERGY CENTER 69KV'	45	0.00493	-0.3135	47
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.00417	-0.31274	47
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.00417	-0.31274	47
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00475	-0.31332	47
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00474	-0.31331	47
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.00461	-0.31318	47
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.7283	0.00469	-0.31326	47
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.00479	-0.31336	47
WERE	'CITY OF WINFIELD 69KV'	29.38998	-0.30857	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.11254	-0.19603	75

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: SPP-WERE-40
Flowgate: 57837576041SPP-WERE-404407WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.3	3.3
1090609	0.5	3.3
1090609	0.3	3.3
1090609	0.5	3.3
1090609	1.8	3.3
1090609	0.3	3.3
1090609	0.5	3.3
1090609	0.3	3.3
1090609	0.5	3.3
1090609	1.8	3.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.37125	9
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00844	-0.31695	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'CITY OF MULVANE 69KV'	3.791	0.01263	-0.32114	10

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.00844	-0.31695	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'EVANS ENERGY CENTER 138KV'	149.2939	0.00939	-0.3179	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'LATHAM1234.0 345KV'	100	0.00926	-0.31777	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'WACO 138KV'	17.93	0.00925	-0.31776	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'CHANUTE 69KV'	34.818	0.00387	-0.31238	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00434	-0.31285	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'CITY OF IOLA 69KV'	14.565	0.00349	-0.312	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'CLAY CENTER JUNCTION 115KV'	8.375996	0.00473	-0.31324	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'HOLTON 115KV'	8.2	0.00521	-0.31372	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	0.00421	-0.31272	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0048	-0.31331	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00478	-0.31329	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00465	-0.31316	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.1585	0.00473	-0.31324	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'SOUTH SENECA 115KV'	8.5	0.00573	-0.31424	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.00483	-0.31334	11
WERE	'CITY OF WINFIELD 69KV'	40	-0.30851	WERE	'CITY OF WELLINGTON 69KV'	20	-0.11248	-0.19603	17
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11248	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.17522	19
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11248	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.00844	-0.12092	27
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11248	WERE	'EVANS ENERGY CENTER 138KV'	149.2939	0.00939	-0.12187	27
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11248	WERE	'LATHAM1234.0 345KV'	100	0.00926	-0.12174	27
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11248	WERE	'WACO 138KV'	17.93	0.00925	-0.12173	27
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11248	WERE	'CHANUTE 69KV'	34.818	0.00387	-0.11635	28
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11248	WERE	'CITY OF IOLA 69KV'	14.565	0.00349	-0.11597	28
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11248	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	0.00421	-0.11669	28
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11248	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0048	-0.11728	28
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11248	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00478	-0.11726	28
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11248	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00465	-0.11713	28
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11248	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.1585	0.00473	-0.11721	28
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.11248	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.00483	-0.11731	28
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00293	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05981	55
WERE	'CHANUTE 69KV'	52.982	0.00387	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05887	56
WERE	'CITY OF ERIE 69KV'	24.231	0.00387	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05887	56
WERE	'CITY OF IOLA 69KV'	23.063	0.00349	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05925	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	0.00421	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05853	56
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.00421	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05853	56
WERE	'SMOKYHIL 230 230KV'	72	0.00421	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05853	56
WERE	'ABILENE ENERGY CENTER 115KV'	66	0.00464	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.0581	57
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	0.00431	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05843	57
WERE	'CLAY CENTER JUNCTION 115KV'	29.72401	0.00473	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05801	57
WERE	'GILL ENERGY CENTER 69KV'	118	0.00499	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05775	57
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.0048	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05794	57
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00478	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05796	57
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.00465	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05809	57
WERE	'LAWRENCE ENERGY CENTER 230KV'	37.84149	0.00473	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05801	57
WERE	'TECUMSEH ENERGY CENTER 115KV'	73	0.00483	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05791	57
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00483	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.06274	-0.05791	57

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

Upgrade: Seven Rivers to Pecos to Potash Junction 230kV
Limiting Facility: CARLSBAD PLANT - POTASH JUNCTION INTERCHANGE 115KV CKT 1
Direction: To->From
Line Outage: CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 523105225215220952185111207SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	3.1	3.8
1090695	0.7	3.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'CUNNINGHAM 115KV'	110	0.10078	-0.36596	10
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'CUNNINGHAM 115KV'	71	0.10078	-0.36596	10
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'CUNNINGHAM 230KV'	306	0.10412	-0.3693	10
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'MADOX 115KV'	183	0.09795	-0.36313	10
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'MUSTANG 115KV'	300	0.05555	-0.32073	12
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'MUSTG5 118.0 230KV'	360	0.04864	-0.31382	12
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'BLACKHAWK 115KV'	220	-0.00345	-0.26173	14
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'CZ 69KV'	39	-0.00318	-0.262	14
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'HARRINGTON 230KV'	1066	-0.00354	-0.26164	14
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'HUBRCO2 69KV'	11	-0.00345	-0.26173	14
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'JONES 230KV'	486	0.01408	-0.27926	14
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'LP-BRND2 69KV'	174.3398	0.01314	-0.27832	14
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'MOORE COUNTY 115KV'	48	-0.0036	-0.26158	14
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'NICHOLS 115KV'	213	-0.00345	-0.26173	14
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'NICHOLS 230KV'	244	-0.0035	-0.26168	14
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'SIDRCH 69KV'	20	-0.00345	-0.26173	14
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'STEER WATER 115KV'	9.818184	-0.00332	-0.26186	14
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'PLANTX 115KV'	253	-0.00574	-0.25944	15
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'PLANTX 230KV'	189	-0.00895	-0.25623	15
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'TOLK 230KV'	1035.277	-0.01282	-0.25236	15
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'WILWIND 230KV'	19.63637	-0.00498	-0.2602	15
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'CAPROCK 115KV'	9.818184	-0.02589	-0.23929	16
SPS	'CARLSBAD 69KV'	18	-0.26518	SPS	'SAN JUAN 230KV'	14.72727	-0.06407	-0.20111	19
SPS	'TOLK 345KV'	540	-0.0321	SPS	'CUNNINGHAM 115KV'	71	0.10078	-0.13288	28
SPS	'TOLK 345KV'	540	-0.0321	SPS	'CUNNINGHAM 115KV'	110	0.10078	-0.13288	28
SPS	'TOLK 345KV'	540	-0.0321	SPS	'CUNNINGHAM 230KV'	306	0.10412	-0.13622	28
SPS	'TOLK 345KV'	540	-0.0321	SPS	'MADOX 115KV'	183	0.09795	-0.13005	29
SPS	'TUCUMCARI 115KV'	15	-0.02589	SPS	'CUNNINGHAM 230KV'	306	0.10412	-0.13001	29
SPS	'TUCUMCARI 115KV'	15	-0.02589	SPS	'CUNNINGHAM 115KV'	110	0.10078	-0.12667	30
SPS	'TUCUMCARI 115KV'	15	-0.02589	SPS	'CUNNINGHAM 115KV'	71	0.10078	-0.12667	30
SPS	'TUCUMCARI 115KV'	15	-0.02589	SPS	'MADOX 115KV'	183	0.09795	-0.12384	31
SPS	'TOLK 230KV'	584.7234	-0.01282	SPS	'CUNNINGHAM 230KV'	306	0.10412	-0.11694	32
SPS	'TOLK 230KV'	584.7234	-0.01282	SPS	'CUNNINGHAM 115KV'	110	0.10078	-0.1136	33
SPS	'TOLK 230KV'	584.7234	-0.01282	SPS	'CUNNINGHAM 115KV'	71	0.10078	-0.1136	33
SPS	'TOLK 230KV'	584.7234	-0.01282	SPS	'MADOX 115KV'	183	0.09795	-0.11077	34
SPS	'RIVERVIEW 69KV'	23	-0.00345	SPS	'CUNNINGHAM 230KV'	306	0.10412	-0.10757	35
SPS	'RIVERVIEW 69KV'	23	-0.00345	SPS	'CUNNINGHAM 115KV'	71	0.10078	-0.10423	36
SPS	'RIVERVIEW 69KV'	23	-0.00345	SPS	'CUNNINGHAM 115KV'	110	0.10078	-0.10423	36
SPS	'RIVERVIEW 69KV'	23	-0.00345	SPS	'MADOX 115KV'	183	0.09795	-0.1014	37
SPS	'JONES 230KV'	243	0.01408	SPS	'CUNNINGHAM 230KV'	306	0.10412	-0.09004	42
SPS	'LP-BRND2 69KV'	57.66016	0.01314	SPS	'CUNNINGHAM 230KV'	306	0.10412	-0.09098	42

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

SPS	'LP-BRND2 69KV'	57.66016	0.01314	SPS	'CUNNINGHAM 115KV'	71	0.10078	-0.08764	43
SPS	'LP-BRND2 69KV'	57.66016	0.01314	SPS	'CUNNINGHAM 115KV'	110	0.10078	-0.08764	43
SPS	'TOLK 345KV'	540	-0.0321	SPS	'MUSTANG 115KV'	300	0.05555	-0.08765	43
SPS	'JONES 230KV'	243	0.01408	SPS	'CUNNINGHAM 115KV'	110	0.10078	-0.0867	44
SPS	'JONES 230KV'	243	0.01408	SPS	'CUNNINGHAM 115KV'	71	0.10078	-0.0867	44
SPS	'JONES 230KV'	243	0.01408	SPS	'MADOX 115KV'	183	0.09795	-0.08387	45
SPS	'LP-BRND2 69KV'	57.66016	0.01314	SPS	'MADOX 115KV'	183	0.09795	-0.08481	45
SPS	'TOLK 345KV'	540	-0.0321	SPS	'MUSTG5 118.0 230KV'	360	0.04864	-0.08074	47
SPS	'TOLK 230KV'	584.7234	-0.01282	SPS	'MUSTANG 115KV'	300	0.05555	-0.06837	55
SPS	'TOLK 230KV'	584.7234	-0.01282	SPS	'MUSTG5 118.0 230KV'	360	0.04864	-0.06146	62
SPS	'RIVERVIEW 69KV'	23	-0.00345	SPS	'MUSTANG 115KV'	300	0.05555	-0.059	64
SPS	'TOLK 345KV'	540	-0.0321	SPS	'JONES 230KV'	486	0.01408	-0.04618	82
SPS	'TOLK 345KV'	540	-0.0321	SPS	'LP-BRND2 69KV'	174.3398	0.01314	-0.04524	84
SPS	'LP-BRND2 69KV'	57.66016	0.01314	SPS	'MUSTANG 115KV'	300	0.05555	-0.04241	89
SPS	'JONES 230KV'	243	0.01408	SPS	'MUSTANG 115KV'	300	0.05555	-0.04147	91
SPS	'LP-BRND2 69KV'	57.66016	0.01314	SPS	'MUSTG5 118.0 230KV'	360	0.04864	-0.0355	106
SPS	'JONES 230KV'	243	0.01408	SPS	'MUSTG5 118.0 230KV'	360	0.04864	-0.03456	109

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

Upgrade: Seven Rivers to Pecos to Potash Junction 230kV
Limiting Facility: CARLSBAD PLANT - POTASH JUNCTION INTERCHANGE 115KV CKT 1
Direction: To->From
Line Outage: CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 523105225215220952185112085P
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	0.2	0.2
1090695	0.1	0.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'BLACKHAWK 115KV'	220	-0.00338	-0.26189	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'CAPROCK 115KV'	18.90909	-0.02589	-0.23938	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'CUNNINGHAM 115KV'	71	0.10063	-0.3659	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'CUNNINGHAM 115KV'	110	0.10063	-0.3659	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'CUNNINGHAM 230KV'	306	0.10397	-0.36924	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'CZ 69KV'	39	-0.0031	-0.26217	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'HARRINGTON 230KV'	1066	-0.00347	-0.2618	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'HUBRCO2 69KV'	11	-0.00338	-0.26189	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'JONES 230KV'	486	0.01371	-0.27898	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'LP-BRND2 69KV'	214.4087	0.01279	-0.27806	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'MADOX 115KV'	183	0.0978	-0.36307	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'MOORE COUNTY 115KV'	48	-0.00354	-0.26173	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'MUSTANG 115KV'	300	0.05538	-0.32065	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'MUSTG5 118.0 230KV'	360	0.04848	-0.31375	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'NICHOLS 115KV'	213	-0.00338	-0.26189	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'NICHOLS 230KV'	244	-0.00343	-0.26184	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'PLANTX 115KV'	253	-0.00558	-0.25969	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'PLANTX 230KV'	189	-0.00895	-0.25632	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'SAN JUAN 230KV'	28.36363	-0.0641	-0.20117	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'SIDRCH 69KV'	20	-0.00338	-0.26189	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'STEER WATER 115KV'	18.90909	-0.00324	-0.26203	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'TOLK 230KV'	1037.926	-0.01283	-0.25244	1
SPS	'CARLSBAD 69KV'	18	-0.26527	SPS	'WILWIND 230KV'	37.81818	-0.00493	-0.26034	1
SPS	'TOLK 345KV'	540	-0.03212	SPS	'CUNNINGHAM 115KV'	110	0.10063	-0.13275	1
SPS	'TOLK 345KV'	540	-0.03212	SPS	'CUNNINGHAM 115KV'	71	0.10063	-0.13275	1
SPS	'TOLK 345KV'	540	-0.03212	SPS	'CUNNINGHAM 230KV'	306	0.10397	-0.13609	1
SPS	'JONES 230KV'	243	0.01371	SPS	'CUNNINGHAM 115KV'	110	0.10063	-0.08692	2
SPS	'JONES 230KV'	243	0.01371	SPS	'CUNNINGHAM 115KV'	71	0.10063	-0.08692	2
SPS	'JONES 230KV'	243	0.01371	SPS	'CUNNINGHAM 230KV'	306	0.10397	-0.09026	2
SPS	'JONES 230KV'	243	0.01371	SPS	'MADOX 115KV'	183	0.0978	-0.08409	2
SPS	'LP-BRND2 69KV'	17.59131	0.01279	SPS	'CUNNINGHAM 115KV'	110	0.10063	-0.08784	2
SPS	'LP-BRND2 69KV'	17.59131	0.01279	SPS	'CUNNINGHAM 115KV'	71	0.10063	-0.08784	2
SPS	'LP-BRND2 69KV'	17.59131	0.01279	SPS	'CUNNINGHAM 230KV'	306	0.10397	-0.09118	2
SPS	'LP-BRND2 69KV'	17.59131	0.01279	SPS	'MADOX 115KV'	183	0.0978	-0.08501	2
SPS	'RIVERVIEW 69KV'	23	-0.00338	SPS	'CUNNINGHAM 115KV'	71	0.10063	-0.10401	2
SPS	'RIVERVIEW 69KV'	23	-0.00338	SPS	'CUNNINGHAM 115KV'	110	0.10063	-0.10401	2
SPS	'RIVERVIEW 69KV'	23	-0.00338	SPS	'CUNNINGHAM 230KV'	306	0.10397	-0.10735	2
SPS	'RIVERVIEW 69KV'	23	-0.00338	SPS	'MADOX 115KV'	183	0.0978	-0.10118	2
SPS	'TOLK 230KV'	582.0739	-0.01283	SPS	'CUNNINGHAM 115KV'	71	0.10063	-0.11346	2
SPS	'TOLK 230KV'	582.0739	-0.01283	SPS	'CUNNINGHAM 115KV'	110	0.10063	-0.11346	2
SPS	'TOLK 230KV'	582.0739	-0.01283	SPS	'CUNNINGHAM 230KV'	306	0.10397	-0.1168	2
SPS	'TOLK 230KV'	582.0739	-0.01283	SPS	'MADOX 115KV'	183	0.0978	-0.11063	2
SPS	'TOLK 345KV'	540	-0.03212	SPS	'MADOX 115KV'	183	0.0978	-0.12992	2
SPS	'TOLK 345KV'	540	-0.03212	SPS	'MUSTANG 115KV'	300	0.05538	-0.0875	2
SPS	'TOLK 345KV'	540	-0.03212	SPS	'MUSTG5 118.0 230KV'	360	0.04848	-0.0806	2
SPS	'TUCUMCARI 115KV'	15	-0.02589	SPS	'CUNNINGHAM 115KV'	110	0.10063	-0.12652	2
SPS	'TUCUMCARI 115KV'	15	-0.02589	SPS	'CUNNINGHAM 115KV'	71	0.10063	-0.12652	2
SPS	'TUCUMCARI 115KV'	15	-0.02589	SPS	'CUNNINGHAM 230KV'	306	0.10397	-0.12986	2
SPS	'TUCUMCARI 115KV'	15	-0.02589	SPS	'MADOX 115KV'	183	0.0978	-0.12369	2
SPS	'TUCUMCARI 115KV'	15	-0.02589	SPS	'MUSTANG 115KV'	300	0.05538	-0.08127	2
SPS	'RIVERVIEW 69KV'	23	-0.00338	SPS	'MUSTANG 115KV'	300	0.05538	-0.05876	3
SPS	'TOLK 230KV'	582.0739	-0.01283	SPS	'MUSTANG 115KV'	300	0.05538	-0.06821	3
SPS	'TOLK 230KV'	582.0739	-0.01283	SPS	'MUSTG5 118.0 230KV'	360	0.04848	-0.06131	3
SPS	'TUCUMCARI 115KV'	15	-0.02589	SPS	'MUSTG5 118.0 230KV'	360	0.04848	-0.07437	3
SPS	'RIVERVIEW 69KV'	23	-0.00338	SPS	'MUSTG5 118.0 230KV'	360	0.04848	-0.05186	4
SPS	'TOLK 345KV'	540	-0.03212	SPS	'JONES 230KV'	486	0.01371	-0.04583	4
SPS	'TOLK 345KV'	540	-0.03212	SPS	'LP-BRND2 69KV'	214.4087	0.01279	-0.04491	4
SPS	'JONES 230KV'	243	0.01371	SPS	'MUSTANG 115KV'	300	0.05538	-0.04167	5
SPS	'LP-BRND2 69KV'	17.59131	0.01279	SPS	'MUSTANG 115KV'	300	0.05538	-0.04259	5
SPS	'TUCUMCARI 115KV'	15	-0.02589	SPS	'JONES 230KV'	486	0.01371	-0.0396	5
SPS	'TUCUMCARI 115KV'	15	-0.02589	SPS	'LP-BRND2 69KV'	214.4087	0.01279	-0.03868	5
SPS	'JONES 230KV'	243	0.01371	SPS	'MUSTG5 118.0 230KV'	360	0.04848	-0.03477	6
SPS	'LP-BRND2 69KV'	17.59131	0.01279	SPS	'MUSTG5 118.0 230KV'	360	0.04848	-0.03569	6

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

Upgrade: SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1
Limiting Facility: SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1
Direction: From->To

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Line Outage: FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1
Flowgate: 5727157277157236572771110 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090729	0.8	1.0
1090808	0.2	1.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CHANUTE 69KV'	31.077	0.00049	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.09639	11
WERE	'CITY OF ERIE 69KV'	4.255999	0.00049	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.09639	11
WERE	'CITY OF FREDONIA 69KV'	5.069	0.00129	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.09559	11
WERE	'CITY OF GIRARD 69KV'	5.911	-0.00001	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.09689	11
WERE	'CITY OF IOLA 69KV'	13.361	-0.00014	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.09702	11
WERE	'CITY OF MULVANE 69KV'	7.502	0.00554	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.09134	11
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00124	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.09564	11
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.00464	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.09224	11
WERE	'EVANS ENERGY CENTER 138KV'	8	0.00641	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.09047	11
WERE	'GETTY 69KV'	35	0.00518	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.0917	11
WERE	'GILL ENERGY CENTER 69KV'	8	0.0059	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.09098	11
WERE	'LATHAM1234.0 345KV'	150	0.00362	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.09326	11
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00077	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.09611	11
WERE	'BROWN COUNTY 115KV'	5.5	0.01138	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.0855	12
WERE	'SOUTH SENECA 115KV'	8.2	0.01216	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.08472	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	15.93311	0.01859	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.07829	13
WERE	'HOLTON 115KV'	7.6	0.01876	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.07812	13
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.01777	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.07911	13
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.01776	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.07912	13
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.01951	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.07737	13
WERE	'SMOKYHIL 230 230KV'	72	0.01826	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.07862	13
WERE	'ST JOHN 115KV'	7.5	0.0139	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.08298	13
WERE	'ABILENE ENERGY CENTER 115KV'	5.999996	0.02194	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.07494	14
WERE	'CLAY CENTER JUNCTION 115KV'	9.225	0.0232	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.07368	14
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.02199	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.07489	14
WERE	'CHANUTE 69KV'	31.077	0.00049	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.0703	15
WERE	'CITY OF FREDONIA 69KV'	5.069	0.00129	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.0695	15
WERE	'CITY OF GIRARD 69KV'	5.911	-0.00001	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.0708	15
WERE	'CITY OF IOLA 69KV'	13.361	-0.00014	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.07093	15
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.02976	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.06712	15
WERE	'LATHAM1234.0 345KV'	150	0.00362	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.06717	15
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00077	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.07002	15
WERE	'CITY OF MULVANE 69KV'	7.502	0.00554	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.06525	16
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.00464	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.06615	16
WERE	'EVANS ENERGY CENTER 138KV'	8	0.00641	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.06438	16
WERE	'GETTY 69KV'	35	0.00518	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.06561	16
WERE	'GILL ENERGY CENTER 69KV'	8	0.0059	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.06489	16
WERE	'SOUTH SENECA 115KV'	8.2	0.01216	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.05863	18
WERE	'ST JOHN 115KV'	7.5	0.0139	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.05689	18
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.04149	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	0.09688	-0.05539	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	15.93311	0.01859	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.0522	20
WERE	'HOLTON 115KV'	7.6	0.01876	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.05203	20
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.01777	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.05302	20
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.01776	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.05303	20
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.01951	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.05128	20
WERE	'SMOKYHIL 230 230KV'	72	0.01826	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.05253	20
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.02199	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.0488	21
WERE	'CLAY CENTER JUNCTION 115KV'	9.225	0.0232	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.04759	22
WERE	'CHANUTE 69KV'	31.077	0.00049	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.04331	-0.04282	24
WERE	'CITY OF IOLA 69KV'	13.361	-0.00014	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.04331	-0.04345	24
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00077	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.04331	-0.04254	24
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.02976	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.864	0.07079	-0.04103	25
WERE	'LATHAM1234.0 345KV'	150	0.00362	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.04331	-0.03969	26
WERE	'CITY OF WINFIELD 69KV'	29.38998	0.00464	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.04331	-0.03867	27
WERE	'GETTY 69KV'	35	0.00518	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.04331	-0.03813	27

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

Upgrade: 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: 5727057182156765567211107FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1089950	1.7	3.6
1090609	0.4	3.6
1090699	0.6	3.6
1090705	0.6	3.6
1090729	0.3	3.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.31907	11
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.25173	14
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'HOLTON 115KV'	8.2	0.07498	-0.22993	16
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.2229	16
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.22326	16
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.21514	17
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.06312	-0.21807	17
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.20369	18
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'SOUTH SENECA 115KV'	8.5	0.04144	-0.19639	19
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'EVANS ENERGY CENTER 138KV'	323.8247	0.01446	-0.16941	21
WERE	'CITY OF GIRARD 69KV'	8.909	0.00179	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.16233	22
WERE	'CITY OF IOLA 69KV'	13.372	0.00202	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.1621	22
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.01224	-0.16719	22
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'CITY OF WELLINGTON 69KV'	20	0.01184	-0.16679	22
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'GILL ENERGY CENTER 138KV'	155	0.01383	-0.16878	22
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'WACO 138KV'	17.946	0.01389	-0.16884	22
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'HOLTON 115KV'	8.2	0.07498	-0.16259	22
WERE	'CHANUTE 69KV'	31.504	0.00296	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.16116	23
WERE	'CITY OF BURLINGTON 69KV'	7.7	0.00537	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15875	23

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF ERIE 69KV'	24.231	0.00296	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.16116	23
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15549	23
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'CHANUTE 69KV'	56.296	0.00296	-0.15791	23
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'CITY OF IOLA 69KV'	24.256	0.00202	-0.15697	23
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00537	-0.16032	23
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.15556	23
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.15592	23
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00294	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.16118	23
WERE	'CITY OF MULVANE 69KV'	10.899	0.01275	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15137	24
WERE	'CITY OF WELLINGTON 69KV'	23.5	0.01184	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15228	24
WERE	'CITY OF WINFIELD 69KV'	40	0.0109	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15322	24
WERE	'EVANS ENERGY CENTER 138KV'	419.1753	0.01446	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.14966	24
WERE	'GETTY 69KV'	35	0.01244	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15168	24
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.01383	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15029	24
WERE	'GILL ENERGY CENTER 69KV'	118	0.01356	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.15056	24
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.06312	-0.15073	24
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.1478	25
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.13635	27
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	0.05151	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.11261	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.04874	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.11538	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.04873	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.11539	32
WERE	'SMOKYHIL 230 230KV'	72	0.05104	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.11308	32
WERE	'CLAY CENTER JUNCTION 115KV'	29.516	0.06312	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.101	36
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.01224	-0.09985	36
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'EVANS ENERGY CENTER 138KV'	323.8247	0.01446	-0.10207	36
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'GILL ENERGY CENTER 138KV'	155	0.01383	-0.10144	36
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'WACO 138KV'	17.946	0.01389	-0.1015	36
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'CITY OF WELLINGTON 69KV'	20	0.01184	-0.09945	37
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.06795	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.09617	38
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.06831	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16412	-0.09581	38
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00537	-0.09298	39
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'CHANUTE 69KV'	56.296	0.00296	-0.09057	40
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.08761	WERE	'CITY OF IOLA 69KV'	24.256	0.00202	-0.08963	41
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15495	WERE	'LAWRENCE ENERGY CENTER 230KV'	228.5818	-0.08761	-0.06734	54
WERE	'CHANUTE 69KV'	31.504	0.00296	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.06499	56
WERE	'CHANUTE 69KV'	31.504	0.00296	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.06535	56
WERE	'CITY OF ERIE 69KV'	24.231	0.00296	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.06499	56
WERE	'CITY OF ERIE 69KV'	24.231	0.00296	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.06535	56
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00294	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.06501	56
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00294	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.06537	56
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.05932	61
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.05968	61
WERE	'CITY OF WINFIELD 69KV'	40	0.0109	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.05741	63
WERE	'CHANUTE 69KV'	31.504	0.00296	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.05723	64
WERE	'CITY OF ERIE 69KV'	24.231	0.00296	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.05723	64
WERE	'CITY OF WELLINGTON 69KV'	23.5	0.01184	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.05647	64
WERE	'CITY OF WINFIELD 69KV'	40	0.0109	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.05705	64
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00294	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.05725	64
WERE	'CITY OF WELLINGTON 69KV'	23.5	0.01184	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.05611	65
WERE	'GETTY 69KV'	35	0.01244	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.05587	65
WERE	'GETTY 69KV'	35	0.01244	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.05551	66
WERE	'GILL ENERGY CENTER 69KV'	118	0.01356	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.05475	66
WERE	'GILL ENERGY CENTER 69KV'	118	0.01356	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.05439	67
WERE	'EVANS ENERGY CENTER 138KV'	419.1753	0.01446	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.06795	-0.05349	68
WERE	'EVANS ENERGY CENTER 138KV'	419.1753	0.01446	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.06831	-0.05385	68
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.05156	71
WERE	'CITY OF WINFIELD 69KV'	40	0.0109	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.04929	74
WERE	'GETTY 69KV'	35	0.01244	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.04775	76
WERE	'GILL ENERGY CENTER 69KV'	118	0.01356	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.04663	78
WERE	'CHANUTE 69KV'	31.504	0.00296	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.04578	79
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00294	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.0458	79
WERE	'EVANS ENERGY CENTER 138KV'	419.1753	0.01446	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06019	-0.04573	80
WERE	'LATHAM1234.0 345KV'	150	0.00863	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.04011	91
WERE	'CITY OF WINFIELD 69KV'	40	0.0109	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.03784	96
WERE	'GETTY 69KV'	35	0.01244	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.0363	100
WERE	'GILL ENERGY CENTER 69KV'	118	0.01356	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.03518	103
WERE	'EVANS ENERGY CENTER 138KV'	419.1753	0.01446	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04874	-0.03428	106

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

Upgrade: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
Direction: To->From
Line Outage: GEN:56663 1
Flowgate: 57270571821GEN5666311107FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1089950	0.9	0.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.30215	3
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.03309	-0.19818	4
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'HOLTON 115KV'	8.2	0.04206	-0.20715	4
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.23797	4
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03019	-0.19528	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CHANUTE 69KV'	56.296	0.00084	-0.16593	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00556	-0.17065	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00209	-0.16718	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF ERIE 69KV'	2.299	0.00084	-0.16593	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00152	-0.16661	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF GIRARD 69KV'	1.791	0.00028	-0.16537	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF IOLA 69KV'	24.256	0.0003	-0.16539	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF MULVANE 69KV'	4.891	0.00573	-0.17082	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'CITY OF WELLINGTON 69KV'	20	0.0053	-0.17039	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00209	-0.16718	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'EVANS ENERGY CENTER 138KV'	323.8247	0.00653	-0.17162	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'GILL ENERGY CENTER 138KV'	155	0.00624	-0.17133	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.02245	-0.18754	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02951	-0.1946	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02635	-0.19144	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'SOUTH SENECA 115KV'	8.5	0.02291	-0.188	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'WACO 138KV'	17.946	0.00627	-0.17136	5

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF GIRARD 69KV'	8.909	0.00028	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13678	6
WERE	'CITY OF IOLA 69KV'	13.372	0.0003	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13676	6
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'HOLTON 115KV'	8.2	0.04206	-0.14297	6
WERE	'CHANUTE 69KV'	31.504	0.00084	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13622	7
WERE	'CITY OF AUGUSTA 69KV'	7.320001	0.00556	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.1315	7
WERE	'CITY OF BURLINGTON 69KV'	7.7	0.00209	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13497	7
WERE	'CITY OF ERIE 69KV'	24.231	0.00084	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13622	7
WERE	'CITY OF FREDONIA 69KV'	5.069	0.00152	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13554	7
WERE	'CITY OF MULVANE 69KV'	10.899	0.00573	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13133	7
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00146	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.1356	7
WERE	'CITY OF WELLINGTON 69KV'	23.5	0.0053	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13176	7
WERE	'CITY OF WINFIELD 69KV'	40	0.00487	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13219	7
WERE	'EVANS ENERGY CENTER 138KV'	419.1753	0.00653	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13053	7
WERE	'GETTY 69KV'	35	0.00572	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13134	7
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00624	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13082	7
WERE	'GILL ENERGY CENTER 69KV'	118	0.00611	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13095	7
WERE	'LATHAM1234.0 345KV'	150	0.0037	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13336	7
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03019	-0.1311	7
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.03309	-0.134	7
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.02245	-0.12336	7
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02951	-0.13042	7
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02635	-0.12726	7
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'SOUTH SENECA 115KV'	8.5	0.02291	-0.12382	7
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00092	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13614	7
WERE	'OXFORD 138KV'	3	0.005	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.13206	7
WERE	'ST JOHN 115KV'	7.5	0.01739	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.11967	7
WERE	'ABILENE ENERGY CENTER 115KV'	5.999996	0.03019	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.10687	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	0.02349	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.11357	8
WERE	'BROWN COUNTY 115KV'	5.5	0.02245	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.11461	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.02245	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.11461	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.02244	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.11462	8
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.02951	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.10755	8
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.02635	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.11071	8
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00556	-0.10647	8
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CITY OF MULVANE 69KV'	4.891	0.00573	-0.10664	8
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CITY OF WELLINGTON 69KV'	20	0.0053	-0.10621	8
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'EVANS ENERGY CENTER 138KV'	323.8247	0.00653	-0.10744	8
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'GILL ENERGY CENTER 138KV'	155	0.00624	-0.10715	8
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'WACO 138KV'	17.946	0.00627	-0.10718	8
WERE	'SMOKYHIL 230 230KV'	72	0.02286	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.1142	8
WERE	'SOUTH SENECA 115KV'	8.2	0.02291	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.11415	8
WERE	'CLAY CENTER JUNCTION 115KV'	29.516	0.03309	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.10397	9
WERE	'HOLTON 115KV'	11.6	0.04206	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.095	9
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CHANUTE 69KV'	56.296	0.00084	-0.10175	9
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00209	-0.103	9
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00152	-0.10243	9
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'CITY OF IOLA 69KV'	24.256	0.0003	-0.10121	9
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.10091	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00209	-0.103	9
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.071	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13706	-0.06606	13
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.16509	WERE	'LAWRENCE ENERGY CENTER 230KV'	228.5818	-0.10091	-0.06418	14
WERE	'CITY OF GIRARD 69KV'	8.909	0.00028	WERE	'HOLTON 115KV'	8.2	0.04206	-0.04178	21
WERE	'CITY OF IOLA 69KV'	13.372	0.0003	WERE	'HOLTON 115KV'	8.2	0.04206	-0.04176	21
WERE	'CHANUTE 69KV'	31.504	0.00084	WERE	'HOLTON 115KV'	8.2	0.04206	-0.04122	22
WERE	'CITY OF BURLINGTON 69KV'	7.7	0.00209	WERE	'HOLTON 115KV'	8.2	0.04206	-0.03997	22
WERE	'CITY OF ERIE 69KV'	24.231	0.00084	WERE	'HOLTON 115KV'	8.2	0.04206	-0.04122	22
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00092	WERE	'HOLTON 115KV'	8.2	0.04206	-0.04114	22
WERE	'LATHAM1234.0 345KV'	150	0.0037	WERE	'HOLTON 115KV'	8.2	0.04206	-0.03836	23
WERE	'CITY OF MULVANE 69KV'	10.899	0.00573	WERE	'HOLTON 115KV'	8.2	0.04206	-0.03633	24
WERE	'CITY OF WELLINGTON 69KV'	23.5	0.0053	WERE	'HOLTON 115KV'	8.2	0.04206	-0.03676	24
WERE	'CITY OF WINFIELD 69KV'	40	0.00487	WERE	'HOLTON 115KV'	8.2	0.04206	-0.03719	24
WERE	'GETTY 69KV'	35	0.00572	WERE	'HOLTON 115KV'	8.2	0.04206	-0.03634	24

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

Upgrade: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
Direction: To->From
Line Outage: LAWRENCE HILL (LAWHL29X) 230-115-13.8KV TRANSFORMER CKT 1
Flowgate: 57270571821LAWHWHL29X6311107FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1089950	1.0	1.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.342	3
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03385	-0.23884	4
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.03693	-0.24192	4
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'HOLTON 115KV'	8.2	0.04259	-0.24758	4
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0255	-0.23049	4
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03282	-0.23781	4
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02885	-0.23384	4
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'SOUTH SENECA 115KV'	8.5	0.02357	-0.22856	4
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'CHANUTE 69KV'	56.296	0.0013	-0.20629	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0069	-0.21189	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00294	-0.20793	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'CITY OF ERIE 69KV'	2.299	0.0013	-0.20629	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00209	-0.20708	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'CITY OF GIRARD 69KV'	1.791	0.00062	-0.20561	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'CITY OF IOLA 69KV'	24.256	0.00066	-0.20565	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'CITY OF MULVANE 69KV'	4.891	0.00719	-0.21218	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'CITY OF WELLINGTON 69KV'	20	0.00664	-0.21163	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00294	-0.20793	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'EVANS ENERGY CENTER 138KV'	323.8247	0.0082	-0.21319	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'GILL ENERGY CENTER 138KV'	155	0.00778	-0.21277	5
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'WACO 138KV'	17.946	0.00783	-0.21282	5
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.19962	5
WERE	'CITY OF GIRARD 69KV'	8.909	0.00062	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.13639	7
WERE	'CITY OF IOLA 69KV'	13.372	0.00066	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.13635	7
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.20499	WERE	'LAWRENCE ENERGY CENTER 230KV'	228.5818	-0.06261	-0.14238	7
WERE	'CHANUTE 69KV'	31.504	0.0013	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.13571	8
WERE	'CITY OF AUGUSTA 69KV'	7.320001	0.0069	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.13011	8
WERE	'CITY OF BURLINGTON 69KV'	7.7	0.00294	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.13407	8

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CITY OF ERIE 69KV'	24.231	0.0013	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.13571	8
WERE	'CITY OF FREDONIA 69KV'	5.069	0.00209	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.13492	8
WERE	'CITY OF MULVANE 69KV'	10.899	0.00719	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.12982	8
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00202	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.13499	8
WERE	'CITY OF WELLINGTON 69KV'	23.5	0.00664	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.13037	8
WERE	'CITY OF WINFIELD 69KV'	40	0.00611	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.1309	8
WERE	'EVANS ENERGY CENTER 138KV'	419.1753	0.0082	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.12881	8
WERE	'GETTY 69KV'	35	0.00702	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.12999	8
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00778	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.12923	8
WERE	'GILL ENERGY CENTER 69KV'	118	0.00764	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.12937	8
WERE	'LATHAM1234.0 345KV'	150	0.00479	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.13222	8
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00139	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.13562	8
WERE	'OXFORD 138KV'	3	0.00628	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.13073	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	0.02667	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.11034	9
WERE	'BROWN COUNTY 115KV'	5.5	0.02287	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.11414	9
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.0255	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.11151	9
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.02549	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.11152	9
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.02885	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.10816	9
WERE	'SMOKYHIL 230 230KV'	72	0.02595	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.11106	9
WERE	'SOUTH SENECA 115KV'	8.2	0.02357	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.11344	9
WERE	'ST JOHN 115KV'	7.5	0.01976	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.11725	9
WERE	'ABILENE ENERGY CENTER 115KV'	5.999996	0.03385	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.10316	10
WERE	'CLAY CENTER JUNCTION 115KV'	29.516	0.03693	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.10008	10
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.03282	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.10419	10
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.03693	-0.09954	10
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'HOLTON 115KV'	8.2	0.04259	-0.1052	10
WERE	'HOLTON 115KV'	11.6	0.04259	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.09442	11
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03385	-0.09646	11
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03282	-0.09543	11
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02885	-0.09146	11
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0255	-0.08811	12
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'SOUTH SENECA 115KV'	8.5	0.02357	-0.08618	12
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'EVANS ENERGY CENTER 138KV'	323.8247	0.0082	-0.07081	14
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0069	-0.06951	15
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'CITY OF WELLINGTON 69KV'	20	0.00664	-0.06925	15
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'GILL ENERGY CENTER 138KV'	155	0.00778	-0.07039	15
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'WACO 138KV'	17.946	0.00783	-0.07044	15
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.07352	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.13701	-0.06349	16
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'CHANUTE 69KV'	56.296	0.0013	-0.06391	16
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'CITY OF IOLA 69KV'	24.256	0.00066	-0.06327	16
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.41815	-0.06261	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00294	-0.06555	16
WERE	'CITY OF GIRARD 69KV'	8.909	0.00062	WERE	'HOLTON 115KV'	8.2	0.04259	-0.04197	24
WERE	'CITY OF IOLA 69KV'	13.372	0.00066	WERE	'HOLTON 115KV'	8.2	0.04259	-0.04193	24
WERE	'CHANUTE 69KV'	31.504	0.0013	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03385	-0.03255	31
WERE	'CITY OF ERIE 69KV'	24.231	0.0013	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03385	-0.03255	31
WERE	'CITY OF IOLA 69KV'	13.372	0.00066	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03385	-0.03319	31
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00139	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03385	-0.03246	31
WERE	'CHANUTE 69KV'	31.504	0.0013	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03282	-0.03152	32
WERE	'CITY OF ERIE 69KV'	24.231	0.0013	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03282	-0.03152	32
WERE	'CITY OF IOLA 69KV'	13.372	0.00066	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03282	-0.03216	32
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00139	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03282	-0.03143	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

Upgrade: SW SHREVEPORT EXPANSION
Limiting Facility: SOUTHWEST SHREVEPORT (SW SHV 1) 345-138-13.8KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: SOUTHWEST SHREVEPORT (SW SHV 2) 345-138-13.8KV TRANSFORMER CKT 2
Flowgate: SWSHV12741SWSSHV27424108SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1085305	3.6	8.7
1086238	0.3	8.7
1087745	2.8	8.7
1087757	2.1	8.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'COGENTRIX 345KV'	665	-0.00269	-0.38903	22
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'FITZHUGH 161KV'	75.99999	-0.00081	-0.39091	22
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'FLINT CREEK 161KV'	428	-0.00211	-0.38961	22
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'L&D13 69KV'	11	-0.0012	-0.39052	22
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00245	-0.38927	22
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.00245	-0.38927	22
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00244	-0.38928	22
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'OEC 345KV'	156	-0.00258	-0.38914	22
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'RIVERSIDE STATION 138KV'	569	-0.0027	-0.38902	22
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'TULSA POWER STATION 138KV'	75	-0.00267	-0.38905	22
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'TULSA POWER STATION 138KV'	88	-0.00267	-0.38905	22
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'WEATHERFORD 34KV'	148	-0.00366	-0.38806	22
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'WELEETKA 138KV'	84	-0.00349	-0.38823	22
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'WILKES 345KV'	311	-0.00148	-0.39024	22
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'COMANCHE 138KV'	160	-0.00394	-0.38778	23
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'COMANCHE 69KV'	63	-0.00396	-0.38776	23
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'NARROWS 69KV'	22	-0.01198	-0.37974	23
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'SOUTHWESTERN STATION 138KV'	257	-0.0039	-0.38782	23
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.0039	-0.38782	23
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'WELSH 345KV'	1044	-0.00874	-0.38298	23
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'WILKES 138KV'	306.4586	-0.03061	-0.36111	24
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'LEBROCK 345KV'	315	-0.04683	-0.34489	25
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'PIRKEY GENERATION 138KV'	490	-0.07081	-0.32091	27
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'EASTMAN 138KV'	155	-0.08902	-0.3027	29
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'KNOXLEE 138KV'	183.8252	-0.10916	-0.28256	31
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'COGENTRIX 345KV'	665	-0.00269	-0.22178	39
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'FITZHUGH 161KV'	75.99999	-0.00081	-0.22366	39
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'FLINT CREEK 161KV'	428	-0.00211	-0.22236	39
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.00245	-0.22202	39
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00245	-0.22202	39
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00244	-0.22203	39
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'OEC 345KV'	156	-0.00258	-0.22189	39
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'RIVERSIDE STATION 138KV'	569	-0.0027	-0.22177	39
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'TULSA POWER STATION 138KV'	75	-0.00267	-0.2218	39
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'TULSA POWER STATION 138KV'	88	-0.00267	-0.2218	39

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'WILKES 345KV'	311	-0.00148	-0.22299	39
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'COMANCHE 138KV'	160	-0.00394	-0.22053	40
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'COMANCHE 69KV'	63	-0.00396	-0.22051	40
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'SOUTHWESTERN STATION 138KV'	257	-0.0039	-0.22057	40
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.0039	-0.22057	40
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'WEATHERFORD 34KV'	148	-0.00366	-0.22081	40
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'WELEETKA 138KV'	84	-0.00349	-0.22098	40
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'WELSH 345KV'	1044	-0.00874	-0.21573	40
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'NARROWS 69KV'	22	-0.01198	-0.21249	41
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'WILKES 138KV'	306.4586	-0.03061	-0.19386	45
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'LEBROCK 345KV'	315	-0.04683	-0.17764	49
AEPW	'ARSENAL HILL 69KV'	99	-0.39172	AEPW	'LIEBERMAN 138KV'	73.99999	-0.22447	-0.16725	52
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'PIRKEY GENERATION 138KV'	490	-0.07081	-0.15366	57
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'EASTMAN 138KV'	155	-0.08902	-0.13545	64
AEPW	'LIEBERMAN 138KV'	154	-0.22447	AEPW	'KNOXLEE 138KV'	183.8252	-0.10916	-0.11531	76
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'FITZHUGH 161KV'	75.99999	-0.00081	-0.10835	81
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'FITZHUGH 161KV'	75.99999	-0.00081	-0.10835	81
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'WILKES 345KV'	311	-0.00148	-0.10768	81
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'WILKES 345KV'	311	-0.00148	-0.10768	81
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'COGENTRIX 345KV'	665	-0.00269	-0.10647	82
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'COGENTRIX 345KV'	665	-0.00269	-0.10647	82
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'FLINT CREEK 161KV'	428	-0.00211	-0.10705	82
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'FLINT CREEK 161KV'	428	-0.00211	-0.10705	82
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.00245	-0.10671	82
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00245	-0.10671	82
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00245	-0.10671	82
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.00245	-0.10671	82
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00244	-0.10672	82
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00244	-0.10672	82
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'OEC 345KV'	156	-0.00258	-0.10658	82
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'OEC 345KV'	156	-0.00258	-0.10658	82
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'RIVERSIDE STATION 138KV'	569	-0.0027	-0.10646	82
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'RIVERSIDE STATION 138KV'	569	-0.0027	-0.10646	82
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'TULSA POWER STATION 138KV'	88	-0.00267	-0.10649	82
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'TULSA POWER STATION 138KV'	75	-0.00267	-0.10649	82
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'TULSA POWER STATION 138KV'	75	-0.00267	-0.10649	82
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'TULSA POWER STATION 138KV'	88	-0.00267	-0.10649	82
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'COMANCHE 138KV'	160	-0.00394	-0.10522	83
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'COMANCHE 138KV'	160	-0.00394	-0.10522	83
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'COMANCHE 69KV'	63	-0.00396	-0.1052	83
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'COMANCHE 69KV'	63	-0.00396	-0.1052	83
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'SOUTHWESTERN STATION 138KV'	257	-0.0039	-0.10526	83
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.0039	-0.10526	83
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.0039	-0.10526	83
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'SOUTHWESTERN STATION 138KV'	257	-0.0039	-0.10526	83
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'WEATHERFORD 34KV'	148	-0.00366	-0.1055	83
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'WEATHERFORD 34KV'	148	-0.00366	-0.1055	83
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'WELEETKA 138KV'	84	-0.00349	-0.10567	83
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'WELEETKA 138KV'	84	-0.00349	-0.10567	83
AEPW	'KNOXLEE 138KV'	179.1748	-0.10916	AEPW	'WELSH 345KV'	1044	-0.00874	-0.10042	87
AEPW	'KNOXLEE 138KV'	60	-0.10916	AEPW	'WELSH 345KV'	1044	-0.00874	-0.10042	87
CELE	'ACADIA 138KV'	1072	-0.00235	CELE	'DOLET HILLS 345KV'	360	0.08607	-0.08842	99
AEPW	'EASTMAN 138KV'	330.01	-0.08902	AEPW	'FITZHUGH 161KV'	75.99999	-0.00081	-0.08821	99
CELE	'EVANGELINE 138KV'	157	-0.0018	CELE	'DOLET HILLS 345KV'	360	0.08607	-0.08787	99
CELE	'TECHE 138KV'	82.1189	-0.00188	CELE	'DOLET HILLS 345KV'	360	0.08607	-0.08795	99
AEPW	'EASTMAN 138KV'	330.01	-0.08902	AEPW	'FLINT CREEK 161KV'	428	-0.00211	-0.08691	100
AEPW	'EASTMAN 138KV'	330.01	-0.08902	AEPW	'WILKES 345KV'	311	-0.00148	-0.08754	100
CELE	'EVANGELINE 230KV'	231	-0.00163	CELE	'DOLET HILLS 345KV'	360	0.08607	-0.0877	100
CELE	'RODEMACHER 230KV'	66	-0.00108	CELE	'DOLET HILLS 345KV'	360	0.08607	-0.08715	100
AEPW	'EASTMAN 138KV'	330.01	-0.08902	AEPW	'COGENTRIX 345KV'	665	-0.00269	-0.08633	101
AEPW	'EASTMAN 138KV'	330.01	-0.08902	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.00245	-0.08657	101
AEPW	'EASTMAN 138KV'	330.01	-0.08902	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00245	-0.08657	101
AEPW	'EASTMAN 138KV'	330.01	-0.08902	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00244	-0.08658	101
AEPW	'EASTMAN 138KV'	330.01	-0.08902	AEPW	'OEC 345KV'	156	-0.00258	-0.08644	101
AEPW	'EASTMAN 138KV'	330.01	-0.08902	AEPW	'RIVERSIDE STATION 138KV'	569	-0.0027	-0.08632	101

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

Upgrade: Tex-Hitchland-Sherman Tap 115 kV ckt & Hitchland 345 and 115 kV Interchange
Limiting Facility: PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 2
Direction: From->To
Line Outage: PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1
Flowgate: 506525062825065250628142085P
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090310	2.0	7.8
1090315	1.8	7.8
1090454	0.1	7.8
1090456	1.4	7.8
1090487	2.5	7.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'CIMARRON RIVER 115KV'	72	-0.12536	WEPL	'CLIFTON 115KV'	64.61148	-0.00612	-0.11924	65
WEPL	'CIMARRON RIVER 115KV'	72	-0.12536	WEPL	'RUSSELL 115KV'	25.23501	-0.01342	-0.11194	70
WEPL	'CIMARRON RIVER 115KV'	72	-0.12536	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.01535	-0.11001	71
WEPL	'CIMARRON RIVER 115KV'	72	-0.12536	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.04681	-0.07855	99
WEPL	'CIMARRON RIVER 115KV'	72	-0.12536	WEPL	'JUDSON LARGE 115KV'	106.2386	-0.04716	-0.0782	99
SPS	'JONES 230KV'	243	0.02869	SPS	'BLACKHAWK 115KV'	220	0.08188	-0.05319	146
SPS	'MUSTG5 118.0 230KV'	150	0.02983	SPS	'BLACKHAWK 115KV'	220	0.08188	-0.05205	149
SPS	'TOLK 230KV'	573.877	0.03038	SPS	'BLACKHAWK 115KV'	220	0.08188	-0.0515	151
SPS	'TOLK 345KV'	540	0.03034	SPS	'BLACKHAWK 115KV'	220	0.08188	-0.05154	151

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

Upgrade: Tex-Hitchland-Sherman Tap 115 kV ckt & Hitchland 345 and 115 kV Interchange
Limiting Facility: MOORE COUNTY INTERCHANGE 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FAIN - NICHOLS STATION 115KV CKT 1
Flowgate: 506695066815067850914111085P
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090310	0.2	1.7
1090315	0.4	1.7
1090454	0.5	1.7
1090456	0.2	1.7
1090487	0.4	1.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'WILWIND 230KV'	159.9636	0.02476	-0.11442	15
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'CAPROCK 115KV'	79.98182	0.01761	-0.10727	16
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'CUNNINGHAM 115KV'	110	0.01652	-0.10618	16
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'CUNNINGHAM 115KV'	71	0.01652	-0.10618	16
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'CUNNINGHAM 230KV'	306	0.01657	-0.10623	16
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'JONES 230KV'	486	0.01428	-0.10394	16
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'LP-BRND2 69KV'	80	0.01417	-0.10383	16
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'MADOX 115KV'	177.1353	0.01651	-0.10617	16
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'MUSTANG 115KV'	300	0.01632	-0.10598	16
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'MUSTG5 118.0 230KV'	360	0.01644	-0.1061	16
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'PLANTX 115KV'	214.6	0.01712	-0.10678	16
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'PLANTX 230KV'	189	0.01809	-0.10775	16
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'SAN JUAN 230KV'	119.9727	0.01734	-0.107	16
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'TOLK 230KV'	1040.965	0.01755	-0.10721	16
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'HARRINGTON 230KV'	1066	0.01034	-0.1	17
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'NICHOLS 230KV'	147	0.00908	-0.09874	17
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'NICHOLS 115KV'	147	-0.00607	-0.08359	20
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'STEER WATER 115KV'	79.98182	-0.01727	-0.07239	23
SPS	'RIVERVIEW 69KV'	23	-0.08966	SPS	'CZ 69KV'	39	-0.02903	-0.06063	28
WEPL	'CIMARRON RIVER 115KV'	20.20224	-0.05749	WEPL	'CLIFTON 115KV'	65	-0.00176	-0.05573	30
WEPL	'CIMARRON RIVER 115KV'	20.20224	-0.05749	WEPL	'HARPER 138KV'	16.86	-0.00372	-0.05377	31
WEPL	'CIMARRON RIVER 115KV'	20.20224	-0.05749	WEPL	'RUSSELL 115KV'	25.23501	-0.00393	-0.05356	31
WEPL	'CIMARRON RIVER 115KV'	20.20224	-0.05749	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.00454	-0.05295	32
WEPL	'CIMARRON RIVER 115KV'	20.20224	-0.05749	WEPL	'NORTH WEST GREAT BEND 115KV'	11.048	-0.00454	-0.05295	32
WEPL	'CIMARRON RIVER 115KV'	20.20224	-0.05749	WEPL	'SPEARVILLE WIND 34KV'	100	-0.00686	-0.05063	33
WEPL	'CIMARRON RIVER 115KV'	20.20224	-0.05749	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	-0.01885	-0.03864	43
WEPL	'CIMARRON RIVER 115KV'	20.20224	-0.05749	WEPL	'JUDSON LARGE 115KV'	110.5181	-0.01903	-0.03846	44
SPS	'NICHOLS 115KV'	66.00001	-0.00607	SPS	'WILWIND 230KV'	159.9636	0.02476	-0.03083	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

Upgrade: Tex-Hitchland-Sherman Tap 115 kV ckt & Hitchland 345 and 115 kV Interchange
Limiting Facility: MOORE COUNTY INTERCHANGE 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: HERRNT3 - RB-SNEE3 115KV CKT 1
Flowgate: 5066950668150686506901340 7G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090454	0.9	7.3
1090487	6.4	7.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'CAPROCK 115KV'	36	0.01595	-0.59065	12
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'CUNNINGHAM 115KV'	108.7676	0.01504	-0.58974	12
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'CUNNINGHAM 230KV'	306	0.01509	-0.58979	12
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'JONES 230KV'	486	0.01295	-0.58765	12
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'LP-BRND2 69KV'	80	0.01284	-0.58754	12
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'MADOX 115KV'	118	0.01503	-0.58973	12
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'MUSTANG 115KV'	300	0.01486	-0.58956	12
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'MUSTG5 118.0 230KV'	210	0.01497	-0.58967	12
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'PLANTX 115KV'	205	0.01552	-0.59022	12
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'PLANTX 230KV'	189	0.01652	-0.59122	12
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'SAN JUAN 230KV'	54	0.01578	-0.59048	12
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'TOLK 230KV'	1020.127	0.01601	-0.59071	12
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'WILWIND 230KV'	72	0.02282	-0.59752	12
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'BLACKHAWK 115KV'	220	-0.02371	-0.55099	13
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'CZ 69KV'	35	-0.01303	-0.56167	13
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'HARRINGTON 230KV'	706	0.01179	-0.58649	13
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'HUBRCO2 69KV'	5	-0.02071	-0.55399	13
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'SIDRCH 69KV'	14	-0.02071	-0.55399	13
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'STEER WATER 115KV'	36	-0.01704	-0.55766	13
WEPL	'CIMARRON RIVER 115KV'	72	-0.05568	WEPL	'SPEARVILLE WIND 34KV'	100	-0.00674	-0.04894	150
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'WILWIND 230KV'	72	0.02282	-0.04367	168
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'PLANTX 230KV'	189	0.01652	-0.03737	196
WEPL	'CIMARRON RIVER 115KV'	72	-0.05568	WEPL	'JUDSON LARGE 115KV'	82.32194	-0.01849	-0.03719	197
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'TOLK 230KV'	1020.127	0.01601	-0.03686	199
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'PLANTX 115KV'	205	0.01552	-0.03637	202
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'CUNNINGHAM 115KV'	108.7676	0.01504	-0.03589	204
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'CUNNINGHAM 230KV'	306	0.01509	-0.03594	204
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'MADOX 115KV'	118	0.01503	-0.03588	204
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'MUSTANG 115KV'	300	0.01486	-0.03571	205
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'MUSTG5 118.0 230KV'	210	0.01497	-0.03582	205
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'JONES 230KV'	486	0.01295	-0.0338	217
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'LP-BRND2 69KV'	80	0.01284	-0.03369	218
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'HARRINGTON 230KV'	706	0.01179	-0.03264	225

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

Upgrade: Tex-Hitchland-Sherman Tap 115 kV ckt & Hitchland 345 and 115 kV Interchange
Limiting Facility: MOORE COUNTY INTERCHANGE 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: HERRNT3 - RB-SNEE3 115KV CKT 1
Flowgate: 5066950668150686506901340 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090310	0.1	1.4
1090315	0.4	1.4

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

1090454	0.3	1.4
1090456	0.2	1.4
1090487	0.3	1.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'CIMARRON RIVER 115KV'	47	-0.05404	WEPL	'CLIFTON 115KV'	63.43616	-0.00162	-0.05242	26
WEPL	'CIMARRON RIVER 115KV'	47	-0.05404	WEPL	'HARPER 138KV'	16.26	-0.00347	-0.05057	27
WEPL	'CIMARRON RIVER 115KV'	47	-0.05404	WEPL	'RUSSELL 115KV'	19.4	-0.00363	-0.05041	27
WEPL	'CIMARRON RIVER 115KV'	47	-0.05404	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.00419	-0.04985	28
WEPL	'CIMARRON RIVER 115KV'	47	-0.05404	WEPL	'SPEARVILLE WIND 34KV'	100	-0.00633	-0.04771	29
SPS	'NICHOLS 115KV'	66.00001	-0.02107	SPS	'WILWIND 230KV'	16	0.02266	-0.04373	31
SPS	'RIVERVIEW 69KV'	23	-0.02167	SPS	'WILWIND 230KV'	16	0.02266	-0.04433	31
SPS	'RIVERVIEW 69KV'	23	-0.02167	SPS	'PLANTX 230KV'	189	0.01637	-0.03804	36
SPS	'NICHOLS 115KV'	66.00001	-0.02107	SPS	'PLANTX 230KV'	189	0.01637	-0.03744	37
SPS	'NICHOLS 115KV'	66.00001	-0.02107	SPS	'TOLK 230KV'	1033.618	0.01586	-0.03693	37
SPS	'RIVERVIEW 69KV'	23	-0.02167	SPS	'CUNNINGHAM 230KV'	306	0.01493	-0.0366	37
SPS	'RIVERVIEW 69KV'	23	-0.02167	SPS	'PLANTX 115KV'	205	0.01535	-0.03702	37
SPS	'RIVERVIEW 69KV'	23	-0.02167	SPS	'TOLK 230KV'	1033.618	0.01586	-0.03753	37
WEPL	'CIMARRON RIVER 115KV'	47	-0.05404	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.01764	-0.0364	38
WEPL	'CIMARRON RIVER 115KV'	47	-0.05404	WEPL	'JUDSON LARGE 115KV'	112.1395	-0.01781	-0.03623	38
SPS	'NICHOLS 115KV'	66.00001	-0.02107	SPS	'CUNNINGHAM 115KV'	110	0.01488	-0.03595	38
SPS	'NICHOLS 115KV'	66.00001	-0.02107	SPS	'CUNNINGHAM 115KV'	64.56738	0.01488	-0.03595	38
SPS	'NICHOLS 115KV'	66.00001	-0.02107	SPS	'CUNNINGHAM 230KV'	306	0.01493	-0.036	38
SPS	'NICHOLS 115KV'	66.00001	-0.02107	SPS	'MADOX 115KV'	118	0.01487	-0.03594	38
SPS	'NICHOLS 115KV'	66.00001	-0.02107	SPS	'MUSTANG 115KV'	300	0.0147	-0.03577	38
SPS	'NICHOLS 115KV'	66.00001	-0.02107	SPS	'MUSTG5 118.0 230KV'	360	0.01481	-0.03588	38
SPS	'NICHOLS 115KV'	66.00001	-0.02107	SPS	'PLANTX 115KV'	205	0.01535	-0.03642	38
SPS	'RIVERVIEW 69KV'	23	-0.02167	SPS	'CUNNINGHAM 115KV'	64.56738	0.01488	-0.03655	38
SPS	'RIVERVIEW 69KV'	23	-0.02167	SPS	'CUNNINGHAM 115KV'	110	0.01488	-0.03655	38
SPS	'RIVERVIEW 69KV'	23	-0.02167	SPS	'MADOX 115KV'	118	0.01487	-0.03654	38
SPS	'RIVERVIEW 69KV'	23	-0.02167	SPS	'MUSTANG 115KV'	300	0.0147	-0.03637	38
SPS	'RIVERVIEW 69KV'	23	-0.02167	SPS	'MUSTG5 118.0 230KV'	360	0.01481	-0.03648	38
SPS	'RIVERVIEW 69KV'	23	-0.02167	SPS	'JONES 230KV'	486	0.01279	-0.03446	40
SPS	'RIVERVIEW 69KV'	23	-0.02167	SPS	'LP-BRND2 69KV'	80	0.01268	-0.03435	40
SPS	'NICHOLS 115KV'	66.00001	-0.02107	SPS	'JONES 230KV'	486	0.01279	-0.03386	41
SPS	'NICHOLS 115KV'	66.00001	-0.02107	SPS	'LP-BRND2 69KV'	80	0.01268	-0.03375	41
SPS	'RIVERVIEW 69KV'	23	-0.02167	SPS	'HARRINGTON 230KV'	1066	0.01162	-0.03329	41
SPS	'NICHOLS 115KV'	66.00001	-0.02107	SPS	'HARRINGTON 230KV'	1066	0.01162	-0.03269	42
SPS	'NICHOLS 115KV'	66.00001	-0.02107	SPS	'NICHOLS 230KV'	147	0.01052	-0.03159	43
SPS	'RIVERVIEW 69KV'	23	-0.02167	SPS	'NICHOLS 230KV'	147	0.01052	-0.03219	43

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

Upgrade: Tex-Hitchland-Sherman Tap 115 kV ckt & Hitchland 345 and 115 kV Interchange
Limiting Facility: MOORE COUNTY INTERCHANGE 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: HERRNT3 - RIVERVIEW INTERCHANGE 115KV CKT 1
Flowgate: 506695066815068650694134O7G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090454	0.9	9.4
1090487	8.5	9.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'CAPROCK 115KV'	36	0.01595	-0.59065	16
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'CUNNINGHAM 115KV'	108.7676	0.01504	-0.58974	16
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'CUNNINGHAM 230KV'	306	0.01509	-0.58979	16
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'HARRINGTON 230KV'	706	0.01179	-0.58649	16
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'JONES 230KV'	486	0.01295	-0.58765	16
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'LP-BRND2 69KV'	80	0.01284	-0.58754	16
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'MADOX 115KV'	118	0.01503	-0.58973	16
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'MUSTANG 115KV'	300	0.01486	-0.58956	16
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'MUSTG5 118.0 230KV'	210	0.01497	-0.58967	16
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'PLANTX 115KV'	205	0.01552	-0.59022	16
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'PLANTX 230KV'	189	0.01652	-0.59122	16
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'SAN JUAN 230KV'	54	0.01578	-0.59048	16
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'TOLK 230KV'	1020.127	0.01601	-0.59071	16
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'WILWIND 230KV'	72	0.02282	-0.59752	16
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'BLACKHAWK 115KV'	220	-0.02371	-0.55099	17
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'CZ 69KV'	35	-0.01303	-0.56167	17
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'SIDRCH 69KV'	14	-0.02071	-0.55399	17
SPS	'MOORE COUNTY 115KV'	48	-0.5747	SPS	'STEER WATER 115KV'	36	-0.01704	-0.55766	17
WEPL	'CIMARRON RIVER 115KV'	72	-0.05568	WEPL	'SPEARVILLE WIND 34KV'	100	-0.00674	-0.04894	193
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'WILWIND 230KV'	72	0.02282	-0.04367	216
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'PLANTX 230KV'	189	0.01652	-0.03737	252
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'TOLK 230KV'	1020.127	0.01601	-0.03686	256
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'PLANTX 115KV'	205	0.01552	-0.03637	259
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'CUNNINGHAM 230KV'	306	0.01509	-0.03594	262
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'CUNNINGHAM 115KV'	108.7676	0.01504	-0.03589	263
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'MADOX 115KV'	118	0.01503	-0.03588	263
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'MUSTG5 118.0 230KV'	210	0.01497	-0.03582	263
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'MUSTANG 115KV'	300	0.01486	-0.03571	264
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'JONES 230KV'	486	0.01295	-0.0338	279
SPS	'NICHOLS 115KV'	213	-0.02085	SPS	'HARRINGTON 230KV'	706	0.01179	-0.03264	289

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

Upgrade: WEATHERFORD SOUTHEAST (WTH_SE) 138-69-13.8KV TRANSFORMER CKT 1
Limiting Facility: WEATHERFORD SOUTHEAST (WTH_SE) 138-69-13.8KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: CLINTON NATURAL GAS TAP - WTH WF 4 138KV CKT 1
Flowgate: WTHWTH_SE2421541975416912407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090270	0.2	0.2

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
AEPW	'ARSENAL HILL 69KV'	99	0.00036	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.23026	1
AEPW	'COGENTRIX 345KV'	694	0.00161	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.22901	1
AEPW	'EASTMAN 138KV'	130.01	0.00038	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.23024	1
AEPW	'FLINT CREEK 161KV'	8	0.00098	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.22964	1
AEPW	'FULTON 115KV'	153	0.00031	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.23031	1
AEPW	'KIOWA 345KV'	1348	0.00098	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.22964	1
AEPW	'KNOXLEE 138KV'	138	0.00037	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.23025	1
AEPW	'KNOXLEE 138KV'	60	0.00037	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.23025	1
AEPW	'L&D13 69KV'	13	0.00083	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.22979	1
AEPW	'LEBROCK 345KV'	182	0.00037	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.23025	1
AEPW	'LIEBERMAN 138KV'	154	0.00036	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.23026	1
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00038	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.23024	1
AEPW	'MID-CONTINENT 138KV'	142.11	0.00118	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.22944	1
AEPW	'NARROWS 69KV'	3	0.00033	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.23029	1
AEPW	'NORTH MARSHALL 69KV'	5	0.00037	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.23025	1
AEPW	'OEC 345KV'	991	0.00142	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.2292	1
AEPW	'PIRKEY GENERATION 138KV'	40	0.00037	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.23025	1
AEPW	'RIVERSIDE STATION 138KV'	76.00003	0.00156	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.22906	1
AEPW	'RVRSIDEG13.8 138KV'	172	0.00156	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.22906	1
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.02002	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.25064	1
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.02002	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.25064	1
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.00036	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.23026	1
AEPW	'TULSA POWER STATION 138KV'	72	0.00155	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.22907	1
AEPW	'TULSA POWER STATION 138KV'	5	0.00155	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.22907	1
AEPW	'TULSA POWER STATION 69KV'	24	0.00155	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.22907	1
AEPW	'TULSA POWER STATION 69KV'	33	0.00155	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.22907	1
AEPW	'TULSA POWER STATION 69KV'	23	0.00155	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.22907	1
AEPW	'WELEETKA 138KV'	72	0.00116	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.22946	1
AEPW	'WELSH 345KV'	54	0.0004	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.23022	1
AEPW	'WILKES 138KV'	133.7834	0.00038	AEPW	'WEATHERFORD 34KV'	148	0.23062	-0.23024	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

Upgrade: WICHITA - RENO 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 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1086655	5.6	10.9
1086656	1.9	10.9
1090609	0.2	10.9
1090662	0.8	10.9
1090674	0.1	10.9
1090817	0.8	10.9
1090823	0.1	10.9
1090964	1.1	10.9
1090965	0.3	10.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02006	-0.30399	36
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01438	-0.29831	37
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00737	-0.2913	37
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00765	-0.29158	37
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00696	-0.29089	37
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'CHANUTE 69KV'	46.617	0.00115	-0.28508	38
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00007	-0.284	38
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'CITY OF ERIE 69KV'	22.264	0.00115	-0.28508	38
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'CITY OF IOLA 69KV'	19.865	0.00138	-0.28531	38
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00226	-0.28619	38
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	-0.00007	-0.28386	38
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00155	-0.28238	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'GILL ENERGY CENTER 138KV'	77	-0.0028	-0.28113	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'WACO 138KV'	17.947	-0.00253	-0.2814	39
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.22228	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02006	-0.24234	45
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22217	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02006	-0.24223	45
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.22228	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01438	-0.23666	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22217	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01438	-0.23655	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.22228	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00737	-0.22965	47
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.22228	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00765	-0.22993	47
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22217	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00737	-0.22954	47
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22217	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00765	-0.22982	47
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.22228	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00696	-0.22924	48
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22217	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00696	-0.22913	48
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.22228	WERE	'CHANUTE 69KV'	46.617	0.00115	-0.22343	49
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.22228	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00007	-0.22235	49
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.22228	WERE	'CITY OF ERIE 69KV'	22.264	0.00115	-0.22343	49
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.22228	WERE	'CITY OF IOLA 69KV'	19.865	0.00138	-0.22366	49
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.22228	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00155	-0.22073	49
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.22228	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00226	-0.22454	49
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.22228	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	-0.00007	-0.22221	49
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22217	WERE	'CHANUTE 69KV'	46.617	0.00115	-0.22332	49
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22217	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00007	-0.22224	49
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22217	WERE	'CITY OF ERIE 69KV'	22.264	0.00115	-0.22332	49
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22217	WERE	'CITY OF IOLA 69KV'	19.865	0.00138	-0.22355	49
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22217	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00155	-0.22062	49
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22217	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00226	-0.22443	49
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22217	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	-0.00007	-0.2221	49
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.22228	WERE	'GILL ENERGY CENTER 138KV'	77	-0.0028	-0.21948	50
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.22228	WERE	'WACO 138KV'	17.947	-0.00253	-0.21975	50
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22217	WERE	'GILL ENERGY CENTER 138KV'	77	-0.0028	-0.21937	50
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22217	WERE	'WACO 138KV'	17.947	-0.00253	-0.21964	50
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16101	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02006	-0.18107	60
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16101	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01438	-0.17539	62
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16101	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00737	-0.16838	65
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16101	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00765	-0.16866	65
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16101	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00696	-0.16797	65
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16101	WERE	'CHANUTE 69KV'	46.617	0.00115	-0.16216	67

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16101	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00155	-0.15946	68
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16101	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	-0.00007	-0.16094	68
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16101	WERE	'GILL ENERGY CENTER 138KV'	77	-0.0028	-0.15821	69
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28393	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.22228	-0.06165	177

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

Upgrade: WICHITA - RENO 345KV
Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
Direction: To->From
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 5736857381156872568731220 8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086655	0.3	3.4
1086656	0.1	3.4
1089950	0.1	3.4
1090325	0.1	3.4
1090327	0.1	3.4
1090609	0.1	3.4
1090612	0.1	3.4
1090612	0.1	3.4
1090662	0.1	3.4
1090674	0.1	3.4
1090817	0.1	3.4
1090823	0.1	3.4
1090826	0.1	3.4
1090839	0.1	3.4
1090841	0.1	3.4
1090844	0.1	3.4
1090852	0.1	3.4
1090853	0.1	3.4
1090854	0.1	3.4
1090917	0.1	3.4
1090919	0.1	3.4
1090920	0.1	3.4
1090921	0.1	3.4
1090922	0.3	3.4
1090923	0.2	3.4
1090934	0.1	3.4
1090935	0.1	3.4
1090964	0.1	3.4
1090965	0.1	3.4
1091028	0.1	3.4
1091036	0.1	3.4
1091045	0.1	3.4
1091052	0.1	3.4
1091053	0.1	3.4
1091055	0.1	3.4
1091057	0.1	3.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.34656	10
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.34656	10
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0144	-0.29824	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02009	-0.30393	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'CHANUTE 69KV'	34.903	0.00117	-0.28501	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00006	-0.2839	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00224	-0.28608	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00087	-0.28471	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'CITY OF IOLA 69KV'	19.902	0.00142	-0.28526	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00156	-0.28228	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00224	-0.28608	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'EVANS ENERGY CENTER 138KV'	15.14941	-0.00008	-0.28376	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'HOLTON 115KV'	8.2	0.00712	-0.29096	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'LAWRENCE ENERGY CENTER 230KV'	136.1463	0.00768	-0.29152	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'SOUTH SENECA 115KV'	8.5	-0.00012	-0.28372	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'WACO 138KV'	17.414	-0.00254	-0.2813	12
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.28491	12
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.28491	12
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.28468	12
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.28468	12
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0144	-0.23659	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02009	-0.24228	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0144	-0.23636	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02009	-0.24205	14
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16097	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.22369	15
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16097	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.22369	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'CHANUTE 69KV'	34.903	0.00117	-0.22336	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00006	-0.22225	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00087	-0.22306	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'CITY OF IOLA 69KV'	19.902	0.00142	-0.22361	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00156	-0.22063	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00224	-0.22443	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'EVANS ENERGY CENTER 138KV'	15.14941	-0.00008	-0.22211	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'HOLTON 115KV'	8.2	0.00712	-0.22931	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'LAWRENCE ENERGY CENTER 230KV'	136.1463	0.00768	-0.22987	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'SOUTH SENECA 115KV'	8.5	-0.00012	-0.22207	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'WACO 138KV'	17.414	-0.00254	-0.21965	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'CHANUTE 69KV'	34.903	0.00117	-0.22313	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00006	-0.22202	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00087	-0.22283	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'CITY OF IOLA 69KV'	19.902	0.00142	-0.22338	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00156	-0.2204	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00224	-0.2242	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'EVANS ENERGY CENTER 138KV'	15.14941	-0.00008	-0.22188	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'HOLTON 115KV'	8.2	0.00712	-0.22908	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'LAWRENCE ENERGY CENTER 230KV'	136.1463	0.00768	-0.22964	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'SOUTH SENECA 115KV'	8.5	-0.00012	-0.22184	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'WACO 138KV'	17.414	-0.00254	-0.21942	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28384	WERE	'CLAY CENTER JUNCTION 115KV'	10.632	-0.10172	-0.18212	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16097	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0144	-0.17537	19

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16097	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02009	-0.18106	19
WERE	'ST JOHN 115KV'	7.5	-0.11363	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.17635	19
WERE	'ST JOHN 115KV'	7.5	-0.11363	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.17635	19
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16097	WERE	'HOLTON 115KV'	8.2	0.00712	-0.16809	20
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16097	WERE	'LAWRENCE ENERGY CENTER 230KV'	136.1463	0.00768	-0.16865	20
WERE	'CLAY CENTER JUNCTION 115KV'	27.468	-0.10172	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.16444	20
WERE	'CLAY CENTER JUNCTION 115KV'	27.468	-0.10172	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.16444	20
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16097	WERE	'CHANUTE 69KV'	34.903	0.00117	-0.16214	21
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16097	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00006	-0.16103	21
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16097	WERE	'CITY OF IOLA 69KV'	19.902	0.00142	-0.16239	21
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16097	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00156	-0.15941	21
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16097	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00224	-0.16321	21
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16097	WERE	'EVANS ENERGY CENTER 138KV'	15.14941	-0.00008	-0.16089	21
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16097	WERE	'SOUTH SENECA 115KV'	8.5	-0.00012	-0.16085	21
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16097	WERE	'WACO 138KV'	17.414	-0.00254	-0.15843	21
WERE	'CLAY CENTER JUNCTION 115KV'	27.468	-0.10172	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02009	-0.12181	28
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.22219	WERE	'CLAY CENTER JUNCTION 115KV'	10.632	-0.10172	-0.12047	28
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22196	WERE	'CLAY CENTER JUNCTION 115KV'	10.632	-0.10172	-0.12024	28
WERE	'CLAY CENTER JUNCTION 115KV'	27.468	-0.10172	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0144	-0.11612	29
WERE	'CLAY CENTER JUNCTION 115KV'	27.468	-0.10172	WERE	'LAWRENCE ENERGY CENTER 230KV'	136.1463	0.00768	-0.1094	31
WERE	'CLAY CENTER JUNCTION 115KV'	27.468	-0.10172	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00224	-0.10396	32
WERE	'CLAY CENTER JUNCTION 115KV'	27.468	-0.10172	WERE	'CHANUTE 69KV'	34.903	0.00117	-0.10289	33
WERE	'CLAY CENTER JUNCTION 115KV'	27.468	-0.10172	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00006	-0.10178	33
WERE	'CLAY CENTER JUNCTION 115KV'	27.468	-0.10172	WERE	'CITY OF IOLA 69KV'	19.902	0.00142	-0.10314	33
WERE	'CLAY CENTER JUNCTION 115KV'	27.468	-0.10172	WERE	'EVANS ENERGY CENTER 138KV'	15.14941	-0.00008	-0.10164	33
WERE	'CLAY CENTER JUNCTION 115KV'	27.468	-0.10172	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00156	-0.10016	34
WERE	'CLAY CENTER JUNCTION 115KV'	27.468	-0.10172	WERE	'WACO 138KV'	17.414	-0.00254	-0.09918	34
MIDW	'PAWNEE 115KV'	999	-0.11363	MIDW	'KNOLL 3 115 115KV'	71	-0.03092	-0.08271	41
MIDW	'RICE 115KV'	999	-0.11363	MIDW	'KNOLL 3 115 115KV'	71	-0.03092	-0.08271	41
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00282	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.06554	51
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00282	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.06554	51
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.00156	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.06428	52
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.00156	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.06428	52
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00212	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.06484	52
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00212	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.06484	52
WERE	'CITY OF WINFIELD 69KV'	40	-0.001	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.06372	53
WERE	'CITY OF WINFIELD 69KV'	40	-0.001	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.06372	53
WERE	'EVANS ENERGY CENTER 138KV'	931.8506	-0.00008	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.0628	53
WERE	'EVANS ENERGY CENTER 138KV'	931.8506	-0.00008	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.0628	53
WERE	'GETTY 69KV'	35	0.00025	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.06247	54
WERE	'GETTY 69KV'	35	0.00025	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.06247	54
WERE	'LATHAM1234.0 345KV'	150	0.00092	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.0618	54
WERE	'LATHAM1234.0 345KV'	150	0.00092	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.0618	54
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00113	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.06159	54
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00113	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.06159	54
WERE	'CHANUTE 69KV'	52.897	0.00117	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.06155	55
WERE	'CHANUTE 69KV'	52.897	0.00117	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.06155	55
WERE	'CITY OF ERIE 69KV'	24.138	0.00117	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.06155	55
WERE	'CITY OF ERIE 69KV'	24.138	0.00117	WERE	'SMOKYHIL 230 230KV'	30	0.06272	-0.06155	55
WERE	'TECUMSEH ENERGY CENTER 115KV'	243	0.00698	WERE	'SMOKEY HILLS 34KV'	25	0.06272	-0.05574	60

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

Upgrade: WICHITA - RENO 345KV
Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
Direction: To->From
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 5736857381156872568731221 1WP
Date Redispatch Needed: 12/1/11 - 4/1/12
Season Flowgate Identified:

Reservation	Relief Amount	Aggregate Relief Amount
1086655	0.7	10.1
1086656	0.2	10.1
1089950	0.2	10.1
1090325	0.3	10.1
1090327	0.1	10.1
1090329	0.4	10.1
1090331	0.1	10.1
1090332	0.6	10.1
1090334	0.2	10.1
1090377	0.4	10.1
1090378	0.2	10.1
1090382	0.3	10.1
1090383	0.1	10.1
1090416	0.2	10.1
1090612	0.1	10.1
1090612	0.1	10.1
1090662	0.1	10.1
1090674	0.1	10.1
1090676	0.1	10.1
1090817	0.2	10.1
1090823	0.1	10.1
1090826	0.4	10.1
1090829	0.1	10.1
1090839	0.4	10.1
1090841	0.4	10.1
1090844	0.1	10.1
1090852	0.1	10.1
1090853	0.1	10.1
1090854	0.1	10.1
1090917	0.2	10.1
1090919	0.1	10.1
1090920	0.3	10.1
1090921	0.1	10.1
1090922	0.9	10.1
1090923	0.3	10.1
1090934	0.4	10.1
1090935	0.1	10.1
1090964	0.3	10.1
1090965	0.1	10.1
1091028	0.1	10.1
1091036	0.1	10.1
1091045	0.1	10.1
1091052	0.1	10.1

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

1091053	0.2	10.1
1091055	0.3	10.1
1091057	0.1	10.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28379	WERE	'SMOKEY HILLS 34KV'	25	0.06275	-0.34654	29
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28379	WERE	'SMOKYHIL 230 230KV'	24	0.06275	-0.34654	29
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28379	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02008	-0.30387	33
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28379	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01439	-0.29818	34
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28379	WERE	'CITY OF IOLA 69KV'	16.378	0.00141	-0.2852	35
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28379	WERE	'LAWRENCE ENERGY CENTER 230KV'	174.0622	0.00768	-0.29147	35
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28379	WERE	'TECUMSEH ENERGY CENTER 115KV'	43.36816	0.00698	-0.29077	35
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28379	WERE	'CHANUTE 69KV'	56.697	0.00117	-0.28496	36
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28379	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00007	-0.28386	36
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28379	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00157	-0.28222	36
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28379	WERE	'EVANS ENERGY CENTER 138KV'	55	-0.00007	-0.28372	36
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28379	WERE	'WACO 138KV'	17.96	-0.00253	-0.28126	36
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22213	WERE	'SMOKEY HILLS 34KV'	25	0.06275	-0.28488	36
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22213	WERE	'SMOKYHIL 230 230KV'	24	0.06275	-0.28488	36
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.2219	WERE	'SMOKEY HILLS 34KV'	25	0.06275	-0.28465	36
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.2219	WERE	'SMOKYHIL 230 230KV'	24	0.06275	-0.28465	36
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22213	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02008	-0.24221	42
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.2219	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02008	-0.24198	42
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22213	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01439	-0.23652	43
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.2219	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01439	-0.23629	43
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22213	WERE	'LAWRENCE ENERGY CENTER 230KV'	174.0622	0.00768	-0.22981	44
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22213	WERE	'TECUMSEH ENERGY CENTER 115KV'	43.36816	0.00698	-0.22911	44
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.2219	WERE	'LAWRENCE ENERGY CENTER 230KV'	174.0622	0.00768	-0.22958	44
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.2219	WERE	'TECUMSEH ENERGY CENTER 115KV'	43.36816	0.00698	-0.22888	44
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16095	WERE	'SMOKEY HILLS 34KV'	25	0.06275	-0.2237	45
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16095	WERE	'SMOKYHIL 230 230KV'	24	0.06275	-0.2237	45
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22213	WERE	'CHANUTE 69KV'	56.697	0.00117	-0.2233	45
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22213	WERE	'CITY OF IOLA 69KV'	16.378	0.00141	-0.22354	45
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.2219	WERE	'CHANUTE 69KV'	56.697	0.00117	-0.22307	45
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.2219	WERE	'CITY OF IOLA 69KV'	16.378	0.00141	-0.22331	45
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22213	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00007	-0.2222	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22213	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00157	-0.22056	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22213	WERE	'EVANS ENERGY CENTER 138KV'	55	-0.00007	-0.22206	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22213	WERE	'WACO 138KV'	17.96	-0.00253	-0.2196	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.2219	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00007	-0.22197	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.2219	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00157	-0.22033	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.2219	WERE	'EVANS ENERGY CENTER 138KV'	55	-0.00007	-0.22183	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.2219	WERE	'WACO 138KV'	17.96	-0.00253	-0.21937	46
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16095	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02008	-0.18103	56
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16095	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01439	-0.17534	58
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16095	WERE	'LAWRENCE ENERGY CENTER 230KV'	174.0622	0.00768	-0.16863	60
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16095	WERE	'TECUMSEH ENERGY CENTER 115KV'	43.36816	0.00698	-0.16793	60
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16095	WERE	'CHANUTE 69KV'	56.697	0.00117	-0.16212	62
WERE	'CLAY CENTER JUNCTION 115KV'	31.4	-0.10172	WERE	'SMOKEY HILLS 34KV'	25	0.06275	-0.16447	62
WERE	'CLAY CENTER JUNCTION 115KV'	31.4	-0.10172	WERE	'SMOKYHIL 230 230KV'	24	0.06275	-0.16447	62
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.16095	WERE	'EVANS ENERGY CENTER 138KV'	55	-0.00007	-0.16088	63
WERE	'CLAY CENTER JUNCTION 115KV'	31.4	-0.10172	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02008	-0.1218	83
WERE	'CLAY CENTER JUNCTION 115KV'	31.4	-0.10172	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01439	-0.11611	87
WERE	'CLAY CENTER JUNCTION 115KV'	31.4	-0.10172	WERE	'LAWRENCE ENERGY CENTER 230KV'	174.0622	0.00768	-0.1094	93
WERE	'CLAY CENTER JUNCTION 115KV'	31.4	-0.10172	WERE	'TECUMSEH ENERGY CENTER 115KV'	43.36816	0.00698	-0.1087	93
MIDW	'PAWNEE 115KV'	999	-0.11355	MIDW	'KNOLL 3 115 115KV'	48	-0.03084	-0.08271	122
MIDW	'RICE 115KV'	999	-0.11355	MIDW	'KNOLL 3 115 115KV'	48	-0.03084	-0.08271	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

Upgrade: WICHITA - RENO 345KV
Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
Direction: To->From
Line Outage: NORTHVIEW - SUMMIT 115KV CKT 1
Flowgate: 57368573811573715738112207SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1086655	4.3	6.3
1086656	1.5	6.3
1090662	0.2	6.3
1090674	0.1	6.3
1090823	0.2	6.3
1090825	0.2	6.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01085	-0.36644	17
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'CHANUTE 69KV'	46.617	-0.00008	-0.35551	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00065	-0.35494	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'CITY OF BURLINGTON 69KV'	7.8	-0.00002	-0.35557	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'CITY OF ERIE 69KV'	22.264	-0.00008	-0.35551	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'CITY OF IOLA 69KV'	19.865	-0.00002	-0.35557	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00093	-0.35466	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00098	-0.35461	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00002	-0.35557	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	-0.00074	-0.35485	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00147	-0.35412	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'HOLTON 115KV'	12.2	0.00051	-0.3561	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00219	-0.35778	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00132	-0.35427	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	-0.00157	-0.35402	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'SOUTH SENECA 115KV'	8.5	-0.00279	-0.3528	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00495	-0.35064	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'WACO 138KV'	17.947	-0.0014	-0.35419	18
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.35559	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.09475	-0.26084	24
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01085	-0.24497	26
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'CHANUTE 69KV'	46.617	-0.00008	-0.23404	27
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00065	-0.23347	27
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'CITY OF ERIE 69KV'	22.264	-0.00008	-0.23404	27
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'CITY OF IOLA 69KV'	19.865	-0.00002	-0.2341	27
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00098	-0.23314	27
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00002	-0.2341	27

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	-0.00074	-0.23338	27
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00147	-0.23265	27
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'HOLTON 115KV'	12.2	0.00051	-0.23463	27
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00219	-0.23631	27
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00132	-0.2328	27
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	-0.00157	-0.23255	27
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'WACO 138KV'	17.947	-0.0014	-0.23272	27
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00495	-0.22917	28
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01085	-0.17356	37
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00219	-0.1649	38
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'CHANUTE 69KV'	46.617	-0.00008	-0.16263	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00065	-0.16206	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'CITY OF ERIE 69KV'	22.264	-0.00008	-0.16263	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'CITY OF IOLA 69KV'	19.865	-0.00002	-0.16269	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00098	-0.16173	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00002	-0.16269	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	-0.00074	-0.16197	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00147	-0.16124	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00132	-0.16139	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	-0.00157	-0.16114	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'WACO 138KV'	17.947	-0.0014	-0.16131	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00495	-0.15776	40
WERE	'CLAY CENTER JUNCTION 115KV'	21.08999	-0.23412	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.09475	-0.13937	45
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.09475	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01085	-0.1056	60
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.09469	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01085	-0.10554	60
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.09475	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00219	-0.09694	65
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.09469	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00219	-0.09688	65
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.09475	WERE	'CHANUTE 69KV'	46.617	-0.00008	-0.09467	67
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.09475	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	-0.00074	-0.09401	67
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.09469	WERE	'CHANUTE 69KV'	46.617	-0.00008	-0.09461	67
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.09469	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	-0.00074	-0.09395	67
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.09475	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00098	-0.09377	68
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.09475	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00147	-0.09328	68
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.09475	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00132	-0.09343	68
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.09475	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	-0.00157	-0.09318	68
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.09469	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00098	-0.09371	68
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.09469	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00147	-0.09322	68
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.09469	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00132	-0.09337	68
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.09469	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	-0.00157	-0.09312	68
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.09475	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00495	-0.0898	71
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.09469	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00495	-0.08974	71
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.16271	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.09475	-0.06796	93

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

Upgrade: WICHITA - RENO 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: 573725737415687256873122O6FA
Date Redispatch Needed: 10/1/06 - 12/1/06
Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090609	0.3	3.5
1090612	0.4	3.5
1090662	1.0	3.5
1090680	1.7	3.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.64582	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03466	-0.55664	6
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03598	-0.55796	6
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.02165	-0.54363	6
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.6643	0.02272	-0.5447	6
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.02612	-0.5481	6
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.54678	6
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.54659	6
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'CHANUTE 69KV'	39.541	0.00315	-0.52513	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00112	-0.5231	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00597	-0.52795	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'CITY OF ERIE 69KV'	22.171	0.00315	-0.52513	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'CITY OF GIRARD 69KV'	4.788	0.00325	-0.52523	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'CITY OF IOLA 69KV'	16.275	0.00366	-0.52564	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'CITY OF MULVANE 69KV'	4.793	-0.00109	-0.52089	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00273	-0.51925	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00597	-0.52795	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00085	-0.52283	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'GILL ENERGY CENTER 138KV'	99.9731	-0.00531	-0.51667	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'WACO 138KV'	17.957	-0.00468	-0.5173	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'CHANUTE 69KV'	39.541	0.00315	-0.42609	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00112	-0.42406	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00597	-0.42891	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'CITY OF ERIE 69KV'	22.171	0.00315	-0.42609	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'CITY OF GIRARD 69KV'	4.788	0.00325	-0.42619	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'CITY OF IOLA 69KV'	16.275	0.00366	-0.4266	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'CITY OF MULVANE 69KV'	4.793	-0.00109	-0.42185	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00273	-0.42021	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00597	-0.42891	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00085	-0.42379	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'GILL ENERGY CENTER 138KV'	99.9731	-0.00531	-0.41763	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03466	-0.4576	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03598	-0.45892	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.02165	-0.44459	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.6643	0.02272	-0.44566	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.02612	-0.44906	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.42294	WERE	'WACO 138KV'	17.957	-0.00468	-0.41826	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'CHANUTE 69KV'	39.541	0.00315	-0.4259	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00112	-0.42387	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00597	-0.42872	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'CITY OF ERIE 69KV'	22.171	0.00315	-0.4259	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'CITY OF GIRARD 69KV'	4.788	0.00325	-0.426	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'CITY OF IOLA 69KV'	16.275	0.00366	-0.42641	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'CITY OF MULVANE 69KV'	4.793	-0.00109	-0.42166	8

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00273	-0.42002	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00597	-0.42872	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00085	-0.4236	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'GILL ENERGY CENTER 138KV'	99.9731	-0.00531	-0.41744	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03466	-0.45741	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03598	-0.45873	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.02165	-0.4444	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.6643	0.02272	-0.44547	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.02612	-0.44887	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42275	WERE	'WACO 138KV'	17.957	-0.00468	-0.41807	8
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.36907	9
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03466	-0.27989	12
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03598	-0.28121	12
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.02165	-0.26688	13
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.6643	0.02272	-0.26795	13
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.02612	-0.27135	13
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'CHANUTE 69KV'	39.541	0.00315	-0.24838	14
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00112	-0.24635	14
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00597	-0.2512	14
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'CITY OF ERIE 69KV'	22.171	0.00315	-0.24838	14
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'CITY OF GIRARD 69KV'	4.788	0.00325	-0.24848	14
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'CITY OF IOLA 69KV'	16.275	0.00366	-0.24889	14
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'CITY OF MULVANE 69KV'	4.793	-0.00109	-0.24414	14
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00273	-0.2425	14
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00597	-0.2512	14
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00085	-0.24608	14
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'GILL ENERGY CENTER 138KV'	99.9731	-0.00531	-0.23992	14
WERE	'ST JOHN 115KV'	7.5	-0.24523	WERE	'WACO 138KV'	17.957	-0.00468	-0.24055	14
MIDW	'PAWNEE 115KV'	999	-0.24523	MIDW	'COLBY 115KV'	10.82559	-0.07452	-0.17071	20
MIDW	'RICE 115KV'	999	-0.24523	MIDW	'COLBY 115KV'	10.82559	-0.07452	-0.17071	20
MIDW	'GREAT BEND PLANT 69KV'	10	-0.20778	MIDW	'COLBY 115KV'	10.82559	-0.07452	-0.13326	26
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.00273	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.12657	27
WERE	'GILL ENERGY CENTER 138KV'	73.02685	-0.00531	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.12915	27
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00375	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.12759	27
WERE	'CITY OF MULVANE 69KV'	10.997	-0.00109	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.12493	28
WERE	'CITY OF WINFIELD 69KV'	40	-0.00158	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.12542	28
WERE	'EVANS ENERGY CENTER 138KV'	488	0.00085	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.12299	28
WERE	'GETTY 69KV'	35	0.0016	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.12224	28
WERE	'CHANUTE 69KV'	48.259	0.00315	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.12069	29
WERE	'CITY OF FREDONIA 69KV'	9.668992	0.0025	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.12134	29
WERE	'CITY OF IOLA 69KV'	21.353	0.00366	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.12018	29
WERE	'LATHAM1234.0 345KV'	150	0.00291	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.12093	29
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00305	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.12079	29
WERE	'SOUTH SENECA 115KV'	16.7	0.00587	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.11797	29
WERE	'HOLTON 115KV'	19.8	0.01846	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.10538	33
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.02165	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.10219	34
WERE	'LAWRENCE ENERGY CENTER 230KV'	37.33572	0.02272	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.10112	34
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52198	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.42294	-0.09904	35
WERE	'TECUMSEH ENERGY CENTER 115KV'	52.99999	0.02612	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.09772	36
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.02657	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.09727	36
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.03466	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.08918	39
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.03598	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.12384	-0.08786	39
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.22221	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.13628	-0.08593	40
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.22221	WEPL	'JUDSON LARGE 115KV'	21.29843	-0.13613	-0.08608	40
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.22221	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.13628	-0.08593	40
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.22221	WEPL	'JUDSON LARGE 115KV'	21.29843	-0.13613	-0.08608	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

Upgrade: WICHITA - RENO 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: 5737257374156872568731220 6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090270	0.2	0.9
1090609	0.3	0.9
1090612	0.3	0.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52193	WERE	'CHANUTE 69KV'	35.344	0.00317	-0.5251	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52193	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00114	-0.52307	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52193	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.006	-0.52793	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52193	WERE	'CITY OF ERIE 69KV'	2.2	0.00317	-0.5251	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52193	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00252	-0.52445	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52193	WERE	'CITY OF GIRARD 69KV'	1.493	0.00327	-0.5252	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52193	WERE	'CITY OF IOLA 69KV'	13.978	0.00368	-0.52561	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52193	WERE	'CITY OF MULVANE 69KV'	3.694	-0.00106	-0.52087	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52193	WERE	'CITY OF WELLINGTON 69KV'	24.10302	-0.00271	-0.51922	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52193	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.006	-0.52793	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52193	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.55663	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52193	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.55794	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52193	WERE	'LAWRENCE ENERGY CENTER 230KV'	137.2661	0.02275	-0.54468	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.52193	WERE	'WACO 138KV'	17.953	-0.00465	-0.51728	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.42289	WERE	'CHANUTE 69KV'	35.344	0.00317	-0.42606	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.42289	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00114	-0.42403	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.42289	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.006	-0.42889	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.42289	WERE	'CITY OF ERIE 69KV'	2.2	0.00317	-0.42606	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.42289	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00252	-0.42541	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.42289	WERE	'CITY OF GIRARD 69KV'	1.493	0.00327	-0.42616	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.42289	WERE	'CITY OF IOLA 69KV'	13.978	0.00368	-0.42657	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.42289	WERE	'CITY OF MULVANE 69KV'	3.694	-0.00106	-0.42183	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.42289	WERE	'CITY OF WELLINGTON 69KV'	24.10302	-0.00271	-0.42018	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.42289	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.006	-0.42889	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.42289	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.45759	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.42289	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.4589	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.42289	WERE	'LAWRENCE ENERGY CENTER 230KV'	137.2661	0.02275	-0.44564	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.42289	WERE	'WACO 138KV'	17.953	-0.00465	-0.41824	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.4227	WERE	'CHANUTE 69KV'	35.344	0.00317	-0.42587	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.4227	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00114	-0.42384	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.4227	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.006	-0.4287	2

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.4227	WERE	'CITY OF ERIE 69KV'	2.2	0.00317	-0.42587	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.4227	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00252	-0.42522	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.4227	WERE	'CITY OF GIRARD 69KV'	1.493	0.00327	-0.42597	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.4227	WERE	'CITY OF IOLA 69KV'	13.978	0.00368	-0.42638	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.4227	WERE	'CITY OF MULVANE 69KV'	3.694	-0.00106	-0.42164	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.4227	WERE	'CITY OF WELLINGTON 69KV'	24.10302	-0.00271	-0.41999	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.4227	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.006	-0.4287	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.4227	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.4574	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.4227	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.45871	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.4227	WERE	'LAWRENCE ENERGY CENTER 230KV'	137.2661	0.02275	-0.44545	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.4227	WERE	'WACO 138KV'	17.953	-0.00465	-0.41805	2
WERE	'ST JOHN 115KV'	7.5	-0.24517	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.27987	3
WERE	'ST JOHN 115KV'	7.5	-0.24517	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.28118	3
WERE	'ST JOHN 115KV'	7.5	-0.24517	WERE	'LAWRENCE ENERGY CENTER 230KV'	137.2661	0.02275	-0.26792	3
WERE	'ST JOHN 115KV'	7.5	-0.24517	WERE	'CHANUTE 69KV'	35.344	0.00317	-0.24834	4
WERE	'ST JOHN 115KV'	7.5	-0.24517	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00114	-0.24631	4
WERE	'ST JOHN 115KV'	7.5	-0.24517	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.006	-0.25117	4
WERE	'ST JOHN 115KV'	7.5	-0.24517	WERE	'CITY OF ERIE 69KV'	2.2	0.00317	-0.24834	4
WERE	'ST JOHN 115KV'	7.5	-0.24517	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00252	-0.24769	4
WERE	'ST JOHN 115KV'	7.5	-0.24517	WERE	'CITY OF GIRARD 69KV'	1.493	0.00327	-0.24844	4
WERE	'ST JOHN 115KV'	7.5	-0.24517	WERE	'CITY OF IOLA 69KV'	13.978	0.00368	-0.24885	4
WERE	'ST JOHN 115KV'	7.5	-0.24517	WERE	'CITY OF MULVANE 69KV'	3.694	-0.00106	-0.24411	4
WERE	'ST JOHN 115KV'	7.5	-0.24517	WERE	'CITY OF WELLINGTON 69KV'	24.10302	-0.00271	-0.24246	4
WERE	'ST JOHN 115KV'	7.5	-0.24517	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.006	-0.25117	4
WERE	'ST JOHN 115KV'	7.5	-0.24517	WERE	'WACO 138KV'	17.953	-0.00465	-0.24052	4
MIDW	'PAWNEE 115KV'	999	-0.24517	MIDW	'COLBY 115KV'	11.9039	-0.07445	-0.17072	5
MIDW	'RICE 115KV'	999	-0.24517	MIDW	'COLBY 115KV'	11.9039	-0.07445	-0.17072	5
MIDW	'GREAT BEND PLANT 69KV'	10	-0.20772	MIDW	'COLBY 115KV'	11.9039	-0.07445	-0.13327	7
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.22216	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.1362	-0.08596	10
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.22216	WEPL	'JUDSON LARGE 115KV'	8.238958	-0.13605	-0.08611	10
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.22216	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.1362	-0.08596	10
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.22216	WEPL	'JUDSON LARGE 115KV'	8.238958	-0.13605	-0.08611	10
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00528	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.04129	21
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00528	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.03998	22
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00373	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.03974	22
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.00271	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.03872	23
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00373	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.03843	23
WERE	'CITY OF MULVANE 69KV'	12.096	-0.00106	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.03707	24
WERE	'CITY OF WELLINGTON 69KV'	19.39698	-0.00271	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.03741	24
WERE	'CITY OF WINFIELD 69KV'	40	-0.00156	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.03626	24
WERE	'CITY OF WINFIELD 69KV'	40	-0.00156	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.03757	24
WERE	'CITY OF MULVANE 69KV'	12.096	-0.00106	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.03576	25
WERE	'EVANS ENERGY CENTER 138KV'	793	0.00088	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.03513	25
WERE	'EVANS ENERGY CENTER 138KV'	793	0.00088	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.03382	26
WERE	'GETTY 69KV'	35	0.00162	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.03439	26
WERE	'CHANUTE 69KV'	52.456	0.00317	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.03284	27
WERE	'CITY OF ERIE 69KV'	24.33	0.00317	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.03284	27
WERE	'CITY OF GIRARD 69KV'	9.207	0.00327	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.03274	27
WERE	'CITY OF IOLA 69KV'	23.65	0.00368	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.03233	27
WERE	'GETTY 69KV'	35	0.00162	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.03308	27
WERE	'LATHAM1234.0 345KV'	150	0.00293	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.03308	27
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00307	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.03294	27
WERE	'CHANUTE 69KV'	52.456	0.00317	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.03153	28
WERE	'CITY OF ERIE 69KV'	24.33	0.00317	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.03153	28
WERE	'CITY OF IOLA 69KV'	23.65	0.00368	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.03102	28
WERE	'LATHAM1234.0 345KV'	150	0.00293	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.03177	28
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00307	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0347	-0.03163	28
WERE	'SOUTH SENECA 115KV'	16.7	0.00593	WERE	'JEFFREY ENERGY CENTER 345KV'	926.9392	0.03601	-0.03008	29

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

Upgrade: WICHITA - RENO 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: 573725737415687256873122O7FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090270	0.2	5.8
1090310	0.3	5.8
1090609	0.3	5.8
1090612	0.3	5.8
1090612	0.4	5.8
1090662	1.0	5.8
1090674	0.2	5.8
1090680	2.0	5.8
1090695	1.1	5.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.08669	-0.59138	10
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'CHANUTE 69KV'	56.296	0.00259	-0.50728	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00079	-0.50548	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00495	-0.50964	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00204	-0.50673	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'CITY OF IOLA 69KV'	24.256	0.00303	-0.50772	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00495	-0.50964	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'HOLTON 115KV'	8.2	0.01531	-0.52	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02953	-0.53422	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03066	-0.53535	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.8593	0.01924	-0.52393	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'SMOKEY HILLS 34KV'	25	0.03108	-0.53577	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'SOUTH SENECA 115KV'	8.5	0.00358	-0.50827	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.02222	-0.52691	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'CITY OF MULVANE 69KV'	4.891	-0.00108	-0.50361	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00243	-0.50226	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'EVANS ENERGY CENTER 138KV'	125.0474	0.00057	-0.50526	12
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'WACO 138KV'	17.946	-0.00417	-0.50052	12
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.08669	-0.48599	12
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.08669	-0.4858	12
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'CHANUTE 69KV'	56.296	0.00259	-0.40189	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00495	-0.40425	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00204	-0.40134	14

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'CITY OF IOLA 69KV'	24.256	0.00303	-0.40233	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00495	-0.40425	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'HOLTON 115KV'	8.2	0.01531	-0.41461	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02953	-0.42883	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03066	-0.42996	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.8593	0.01924	-0.41854	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'SMOKEY HILLS 34KV'	25	0.03108	-0.43038	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'SOUTH SENECA 115KV'	8.5	0.00358	-0.40288	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.02222	-0.42152	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'CHANUTE 69KV'	56.296	0.00259	-0.4017	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00495	-0.40406	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00204	-0.40115	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'CITY OF IOLA 69KV'	24.256	0.00303	-0.40214	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00495	-0.40406	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'HOLTON 115KV'	8.2	0.01531	-0.41442	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02953	-0.42864	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03066	-0.42977	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.8593	0.01924	-0.41835	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'SMOKEY HILLS 34KV'	25	0.03108	-0.43019	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'SOUTH SENECA 115KV'	8.5	0.00358	-0.40269	14
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.02222	-0.42133	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00079	-0.40009	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00243	-0.39687	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'EVANS ENERGY CENTER 138KV'	125.0474	0.00057	-0.39987	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.3993	WERE	'WACO 138KV'	17.946	-0.00417	-0.39513	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00079	-0.3999	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00243	-0.39668	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'EVANS ENERGY CENTER 138KV'	125.0474	0.00057	-0.39968	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39911	WERE	'WACO 138KV'	17.946	-0.00417	-0.39494	15
WERE	'ST JOHN 115KV'	7.5	-0.21395	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.08669	-0.30064	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50469	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	-0.3993	-0.10539	55
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.17551	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.11056	-0.06495	89
WERE	'GILL ENERGY CENTER 138KV'	218	-0.0047	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03066	-0.03536	164
WERE	'GILL ENERGY CENTER 138KV'	218	-0.0047	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02953	-0.03423	170
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00337	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03066	-0.03403	171
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00337	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02953	-0.0329	177
WERE	'EVANS ENERGY CENTER 138KV'	667.9526	0.00057	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03066	-0.03009	193

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

Upgrade: WICHITA - RENO 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: 573725737415687256873122O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090270	0.1	7.4
1090310	0.2	7.4
1090609	0.2	7.4
1090612	0.3	7.4
1090662	1.0	7.4
1090674	0.2	7.4
1090680	1.1	7.4
1090695	0.7	7.4
1090817	1.3	7.4
1090964	1.8	7.4
1090965	0.6	7.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	0.08672	-0.59138	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'HOLTON 115KV'	12.2	0.01534	-0.52	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02955	-0.53421	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03069	-0.53535	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.01833	-0.52299	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.01927	-0.52393	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.02225	-0.52691	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'CHANUTE 69KV'	46.617	0.00261	-0.50727	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00081	-0.50547	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00497	-0.50963	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'CITY OF ERIE 69KV'	22.264	0.00261	-0.50727	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00206	-0.50672	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'CITY OF IOLA 69KV'	19.865	0.00304	-0.5077	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00106	-0.5036	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00241	-0.50225	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00497	-0.50963	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00059	-0.50525	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00468	-0.49998	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'SOUTH SENECA 115KV'	8.5	0.00362	-0.50828	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'WACO 138KV'	17.947	-0.00414	-0.50052	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	0.08672	-0.48599	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	0.08672	-0.4858	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02955	-0.42882	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03069	-0.42996	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02955	-0.42863	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03069	-0.42977	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'CHANUTE 69KV'	46.617	0.00261	-0.40188	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00497	-0.40424	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'CITY OF ERIE 69KV'	22.264	0.00261	-0.40188	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'CITY OF IOLA 69KV'	19.865	0.00304	-0.40231	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00497	-0.40424	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'HOLTON 115KV'	12.2	0.01534	-0.41461	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.01833	-0.4176	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.01927	-0.41854	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'SOUTH SENECA 115KV'	8.5	0.00362	-0.40289	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.02225	-0.42152	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'CHANUTE 69KV'	46.617	0.00261	-0.40169	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00497	-0.40405	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'CITY OF ERIE 69KV'	22.264	0.00261	-0.40169	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'CITY OF IOLA 69KV'	19.865	0.00304	-0.40212	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00497	-0.40405	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'HOLTON 115KV'	12.2	0.01534	-0.41442	18

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.01833	-0.41741	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.01927	-0.41835	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'SOUTH SENECA 115KV'	8.5	0.00362	-0.4027	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.02225	-0.42133	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00081	-0.40008	19
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00241	-0.39686	19
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00059	-0.39986	19
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00468	-0.39459	19
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.39927	WERE	'WACO 138KV'	17.947	-0.00414	-0.39513	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00081	-0.39989	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00241	-0.39667	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00059	-0.39967	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00468	-0.3944	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39908	WERE	'WACO 138KV'	17.947	-0.00414	-0.39494	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50466	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.39927	-0.10539	70
WERE	'GILL ENERGY CENTER 138KV'	118	-0.00468	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03069	-0.03537	209
WERE	'GILL ENERGY CENTER 138KV'	118	-0.00468	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02955	-0.03423	216
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00335	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03069	-0.03404	217
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00335	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02955	-0.0329	225
WERE	'EVANS ENERGY CENTER 138KV'	530.8906	0.00059	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03069	-0.0301	246

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

Upgrade: WICHITA - RENO 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: 573725737415687256873122O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090270	0.2	19.8
1090310	0.3	19.8
1090609	0.3	19.8
1090612	0.3	19.8
1090612	0.3	19.8
1090662	1.0	19.8
1090674	0.2	19.8
1090680	1.9	19.8
1090695	1.1	19.8
1090817	5.0	19.8
1090964	7.0	19.8
1090965	2.0	19.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50463	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02957	-0.5342	37
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50463	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03071	-0.53534	37
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50463	WERE	'SMOKEY HILLS 34KV'	25	0.03114	-0.53577	37
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50463	WERE	'LAWRENCE ENERGY CENTER 230KV'	135.5514	0.01929	-0.52392	38
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50463	WERE	'CHANUTE 69KV'	34.818	0.00262	-0.50725	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50463	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00083	-0.50546	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50463	WERE	'CITY OF IOLA 69KV'	14.565	0.00306	-0.50769	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50463	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00239	-0.50224	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50463	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.00499	-0.50962	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50463	WERE	'EVANS ENERGY CENTER 138KV'	46.5664	0.00061	-0.50524	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50463	WERE	'WACO 138KV'	17.93	-0.00412	-0.50051	39
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39925	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02957	-0.42882	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39925	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03071	-0.42996	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39925	WERE	'SMOKEY HILLS 34KV'	25	0.03114	-0.43039	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39905	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02957	-0.42862	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39905	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03071	-0.42976	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39905	WERE	'SMOKEY HILLS 34KV'	25	0.03114	-0.43019	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39925	WERE	'LAWRENCE ENERGY CENTER 230KV'	135.5514	0.01929	-0.41854	47
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39905	WERE	'LAWRENCE ENERGY CENTER 230KV'	135.5514	0.01929	-0.41834	47
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39925	WERE	'CHANUTE 69KV'	34.818	0.00262	-0.40187	49
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39925	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00083	-0.40008	49
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39925	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.00499	-0.40424	49
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39925	WERE	'EVANS ENERGY CENTER 138KV'	46.5664	0.00061	-0.39986	49
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39905	WERE	'CHANUTE 69KV'	34.818	0.00262	-0.40167	49
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39905	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00083	-0.39988	49
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39905	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.00499	-0.40404	49
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39905	WERE	'EVANS ENERGY CENTER 138KV'	46.5664	0.00061	-0.39966	49
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39925	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00239	-0.39686	50
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39925	WERE	'WACO 138KV'	17.93	-0.00412	-0.39513	50
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39905	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00239	-0.39666	50
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39905	WERE	'WACO 138KV'	17.93	-0.00412	-0.39493	50
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00466	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03071	-0.03537	559
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00466	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02957	-0.03423	577
WERE	'EVANS ENERGY CENTER 138KV'	746.4336	0.00061	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03071	-0.0301	657

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

Upgrade: WICHITA - RENO 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: 573725737415687256873122O8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090310	0.1	19.9
1090325	1.3	19.9
1090327	0.4	19.9
1090609	0.1	19.9
1090612	0.1	19.9
1090612	0.1	19.9
1090662	0.3	19.9
1090674	0.2	19.9
1090680	0.4	19.9
1090695	0.2	19.9

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

1090817	0.8	19.9
1090826	1.3	19.9
1090839	1.3	19.9
1090841	1.3	19.9
1090844	0.4	19.9
1090852	0.4	19.9
1090853	0.7	19.9
1090854	0.3	19.9
1090917	0.4	19.9
1090919	0.2	19.9
1090920	0.8	19.9
1090921	0.3	19.9
1090922	2.3	19.9
1090923	0.6	19.9
1090934	1.2	19.9
1090935	0.4	19.9
1090964	1.1	19.9
1090965	0.4	19.9
1091052	0.4	19.9
1091053	0.7	19.9
1091055	1.0	19.9
1091057	0.4	19.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50453	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0295	-0.53403	37
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50453	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03066	-0.53519	37
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50453	WERE	'SMOKEY HILLS 34KV'	25	0.03122	-0.53575	37
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50453	WERE	'SMOKYHIL 230 230KV'	30	0.03122	-0.53575	37
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50453	WERE	'LAWRENCE ENERGY CENTER 230KV'	136.1463	0.01926	-0.52379	38
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50453	WERE	'CHANUTE 69KV'	34.903	0.00262	-0.50715	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50453	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00077	-0.5053	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50453	WERE	'CITY OF IOLA 69KV'	19.902	0.00308	-0.50761	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50453	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.0049	-0.50943	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50453	WERE	'EVANS ENERGY CENTER 138KV'	15.14941	0.00054	-0.50507	39
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50453	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00244	-0.50209	40
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50453	WERE	'WACO 138KV'	17.414	-0.00419	-0.50034	40
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39912	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0295	-0.42862	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39912	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03066	-0.42978	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39912	WERE	'SMOKEY HILLS 34KV'	25	0.03122	-0.43034	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39912	WERE	'SMOKYHIL 230 230KV'	30	0.03122	-0.43034	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39873	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0295	-0.42823	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39873	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03066	-0.42939	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39873	WERE	'SMOKEY HILLS 34KV'	25	0.03122	-0.42995	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39873	WERE	'SMOKYHIL 230 230KV'	30	0.03122	-0.42995	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39912	WERE	'LAWRENCE ENERGY CENTER 230KV'	136.1463	0.01926	-0.41838	48
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39873	WERE	'LAWRENCE ENERGY CENTER 230KV'	136.1463	0.01926	-0.41799	48
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39912	WERE	'CITY OF IOLA 69KV'	19.902	0.00308	-0.4022	49
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39912	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.0049	-0.40402	49
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39873	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.0049	-0.40363	49
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39912	WERE	'CHANUTE 69KV'	34.903	0.00262	-0.40174	50
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39912	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00077	-0.39989	50
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39912	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00244	-0.39668	50
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.39912	WERE	'WACO 138KV'	17.414	-0.00419	-0.39493	50
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39873	WERE	'CHANUTE 69KV'	34.903	0.00262	-0.40135	50
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39873	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00077	-0.3995	50
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39873	WERE	'CITY OF IOLA 69KV'	19.902	0.00308	-0.40181	50
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39873	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00244	-0.39629	50
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39873	WERE	'WACO 138KV'	17.414	-0.00419	-0.39454	50
MIDW	'PAWNEE 115KV'	999	-0.21381	MIDW	'KNOLL 3 115 115KV'	71	-0.09075	-0.12306	162
MIDW	'RICE 115KV'	999	-0.21381	MIDW	'KNOLL 3 115 115KV'	71	-0.09075	-0.12306	162
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00473	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03066	-0.03539	562
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00473	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0295	-0.03423	581
WERE	'EVANS ENERGY CENTER 138KV'	931.8506	0.00054	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03066	-0.03012	660

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

Upgrade: WICHITA - RENO 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: 57372573741568725687312211WP
Date Redispatch Needed: 12/1/11 - 4/1/12
Season Flowgate Identified:

Reservation	Relief Amount	Aggregate Relief Amount
1090270	0.1	23.0
1090310	0.1	23.0
1090325	1.0	23.0
1090327	0.4	23.0
1090329	1.4	23.0
1090331	0.4	23.0
1090332	1.8	23.0
1090334	0.4	23.0
1090377	1.2	23.0
1090378	0.3	23.0
1090382	0.7	23.0
1090383	0.2	23.0
1090609	0.1	23.0
1090612	0.1	23.0
1090612	0.1	23.0
1090662	0.3	23.0
1090674	0.2	23.0
1090676	0.2	23.0
1090680	0.4	23.0
1090695	0.2	23.0
1090817	0.7	23.0
1090826	1.0	23.0
1090829	0.4	23.0
1090839	1.0	23.0
1090841	1.0	23.0
1090844	0.3	23.0
1090852	0.3	23.0
1090853	0.6	23.0
1090854	0.3	23.0

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

1090917	0.3	23.0
1090919	0.1	23.0
1090920	0.6	23.0
1090921	0.2	23.0
1090922	1.8	23.0
1090923	0.4	23.0
1090934	0.9	23.0
1090935	0.2	23.0
1090964	0.9	23.0
1090965	0.3	23.0
1091052	0.3	23.0
1091053	0.6	23.0
1091055	0.9	23.0
1091057	0.3	23.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50444	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02947	-0.53391	43
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50444	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03064	-0.53508	43
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50444	WERE	'SMOKEY HILLS 34KV'	25	0.03127	-0.53571	43
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50444	WERE	'SMOKYHIL 230 230KV'	24	0.03127	-0.53571	43
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50444	WERE	'LAWRENCE ENERGY CENTER 230KV'	174.0622	0.01914	-0.52358	44
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50444	WERE	'TECUMSEH ENERGY CENTER 115KV'	43.36816	0.02217	-0.52661	44
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50444	WERE	'CHANUTE 69KV'	56.697	0.00262	-0.50706	45
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50444	WERE	'CITY OF IOLA 69KV'	16.378	0.00308	-0.50752	45
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50444	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0008	-0.50524	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50444	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00246	-0.50198	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50444	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00055	-0.50499	46
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50444	WERE	'WACO 138KV'	17.96	-0.00418	-0.50026	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39903	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02947	-0.4285	54
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39903	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03064	-0.42967	54
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39903	WERE	'SMOKEY HILLS 34KV'	25	0.03127	-0.4303	54
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39903	WERE	'SMOKYHIL 230 230KV'	24	0.03127	-0.4303	54
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39864	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02947	-0.42811	54
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39864	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03064	-0.42928	54
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39864	WERE	'SMOKEY HILLS 34KV'	25	0.03127	-0.42991	54
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39864	WERE	'SMOKYHIL 230 230KV'	24	0.03127	-0.42991	54
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39903	WERE	'LAWRENCE ENERGY CENTER 230KV'	174.0622	0.01914	-0.41817	55
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39903	WERE	'TECUMSEH ENERGY CENTER 115KV'	43.36816	0.02217	-0.4212	55
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39864	WERE	'LAWRENCE ENERGY CENTER 230KV'	174.0622	0.01914	-0.41778	55
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39864	WERE	'TECUMSEH ENERGY CENTER 115KV'	43.36816	0.02217	-0.42081	55
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39903	WERE	'CHANUTE 69KV'	56.697	0.00262	-0.40165	57
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39864	WERE	'CHANUTE 69KV'	56.697	0.00262	-0.40126	57
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39903	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0008	-0.39983	58
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39903	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00246	-0.39657	58
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39903	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00055	-0.39958	58
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39864	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.0008	-0.39944	58
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39864	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00246	-0.39618	58
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39864	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00055	-0.39919	58
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00472	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03064	-0.03536	652
WERE	'EVANS ENERGY CENTER 138KV'	892	0.00055	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03064	-0.03009	766

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

Upgrade: WICHITA - RENO 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: 5737457438156872568731220 6FA
Date Redispatch Needed: 10/1/06 - 12/1/06
Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090662	0.6	0.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.30033	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'CHANUTE 69KV'	39.541	0.00146	-0.2442	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00052	-0.24326	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00278	-0.24552	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'CITY OF ERIE 69KV'	22.171	0.00146	-0.2442	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'CITY OF GIRARD 69KV'	4.788	0.00151	-0.24425	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'CITY OF IOLA 69KV'	16.275	0.0017	-0.24444	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'CITY OF MULVANE 69KV'	4.793	-0.00051	-0.24223	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00127	-0.24147	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00278	-0.24552	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'EVANS ENERGY CENTER 138KV'	305	0.0004	-0.24314	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'GILL ENERGY CENTER 138KV'	99.9731	-0.00247	-0.24027	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01612	-0.25886	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01673	-0.25947	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.01007	-0.25281	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.6643	0.01056	-0.2533	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.01215	-0.25489	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'WACO 138KV'	17.957	-0.00218	-0.24056	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.25427	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.25418	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'CHANUTE 69KV'	39.541	0.00146	-0.19814	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00052	-0.1972	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00278	-0.19946	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'CITY OF ERIE 69KV'	22.171	0.00146	-0.19814	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'CITY OF GIRARD 69KV'	4.788	0.00151	-0.19819	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'CITY OF IOLA 69KV'	16.275	0.0017	-0.19838	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'CITY OF MULVANE 69KV'	4.793	-0.00051	-0.19617	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00127	-0.19541	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00278	-0.19946	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'EVANS ENERGY CENTER 138KV'	305	0.0004	-0.19708	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'GILL ENERGY CENTER 138KV'	99.9731	-0.00247	-0.19421	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01612	-0.2128	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01673	-0.21341	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.01007	-0.20675	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.6643	0.01056	-0.20724	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.01215	-0.20883	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19668	WERE	'WACO 138KV'	17.957	-0.00218	-0.1945	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'CHANUTE 69KV'	39.541	0.00146	-0.19805	3

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00052	-0.19711	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00278	-0.19937	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'CITY OF ERIE 69KV'	22.171	0.00146	-0.19805	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'CITY OF GIRARD 69KV'	4.788	0.00151	-0.1981	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'CITY OF IOLA 69KV'	16.275	0.0017	-0.19829	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'CITY OF MULVANE 69KV'	4.793	-0.00051	-0.19608	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00127	-0.19532	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00278	-0.19937	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'EVANS ENERGY CENTER 138KV'	305	0.0004	-0.19699	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'GILL ENERGY CENTER 138KV'	99.9731	-0.00247	-0.19412	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01612	-0.21271	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01673	-0.21332	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.01007	-0.20666	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.6643	0.01056	-0.20715	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.01215	-0.20874	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19659	WERE	'WACO 138KV'	17.957	-0.00218	-0.19441	3
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.17163	3
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01612	-0.13016	4
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01673	-0.13077	4
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.01007	-0.12411	4
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.6643	0.01056	-0.1246	4
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.01215	-0.12619	4
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'CHANUTE 69KV'	39.541	0.00146	-0.1155	5
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00052	-0.11456	5
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00278	-0.11682	5
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'CITY OF ERIE 69KV'	22.171	0.00146	-0.1155	5
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'CITY OF GIRARD 69KV'	4.788	0.00151	-0.11555	5
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'CITY OF IOLA 69KV'	16.275	0.0017	-0.11574	5
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'CITY OF MULVANE 69KV'	4.793	-0.00051	-0.11353	5
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00127	-0.11277	5
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00278	-0.11682	5
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'EVANS ENERGY CENTER 138KV'	305	0.0004	-0.11444	5
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'GILL ENERGY CENTER 138KV'	99.9731	-0.00247	-0.11157	5
WERE	'ST JOHN 115KV'	7.5	-0.11404	WERE	'WACO 138KV'	17.957	-0.00218	-0.11186	5
MIDW	'PAWNEE 115KV'	999	-0.11404	MIDW	'COLBY 115KV'	10.82559	-0.03465	-0.07939	7
MIDW	'RICE 115KV'	999	-0.11404	MIDW	'COLBY 115KV'	10.82559	-0.03465	-0.07939	7
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.00127	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05886	9
WERE	'GILL ENERGY CENTER 138KV'	73.02685	-0.00247	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.06006	9
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00174	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05933	9
MIDW	'GREAT BEND PLANT 69KV'	10	-0.09662	MIDW	'COLBY 115KV'	10.82559	-0.03465	-0.06197	9
WERE	'BROWN COUNTY 115KV'	5.5	0.00325	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05434	10
WERE	'CHANUTE 69KV'	48.259	0.00146	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05613	10
WERE	'CITY OF AUGUSTA 69KV'	7.320001	0.00052	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05707	10
WERE	'CITY OF BURLINGTON 69KV'	7.7	0.00278	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05481	10
WERE	'CITY OF ERIE 69KV'	4.358999	0.00146	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05613	10
WERE	'CITY OF FREDONIA 69KV'	9.668992	0.00116	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05643	10
WERE	'CITY OF GIRARD 69KV'	5.912	0.00151	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05608	10
WERE	'CITY OF IOLA 69KV'	21.353	0.0017	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05589	10
WERE	'CITY OF MULVANE 69KV'	10.997	-0.00051	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.0581	10
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00106	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05653	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.00074	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05833	10
WERE	'EVANS ENERGY CENTER 138KV'	488	0.0004	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05719	10
WERE	'GETTY 69KV'	35	0.00074	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05685	10
WERE	'LATHAM1234.0 345KV'	150	0.00135	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05624	10
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00142	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05617	10
WERE	'SOUTH SENECA 115KV'	16.7	0.00273	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05486	10
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.00654	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.05105	11
WERE	'HOLTON 115KV'	19.8	0.00858	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.04901	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24274	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.19668	-0.04606	12
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.01007	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.04752	12
WERE	'LAWRENCE ENERGY CENTER 230KV'	37.33572	0.01056	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.04703	12
WERE	'TECUMSEH ENERGY CENTER 115KV'	52.99999	0.01215	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05759	-0.04544	12

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

Upgrade: WICHITA - RENO 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: 573745743815687256873122O7FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090612	0.1	0.9
1090612	0.2	0.9
1090662	0.5	0.9
1090674	0.1	0.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.275	3
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'CHANUTE 69KV'	56.296	0.0012	-0.23589	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00037	-0.23506	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.0023	-0.23699	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'CITY OF ERIE 69KV'	2.299	0.0012	-0.23589	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00095	-0.23564	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'CITY OF GIRARD 69KV'	1.791	0.00125	-0.23594	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'CITY OF IOLA 69KV'	24.256	0.00141	-0.2361	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'CITY OF MULVANE 69KV'	4.891	-0.0005	-0.23419	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00113	-0.23356	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0023	-0.23699	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'EVANS ENERGY CENTER 138KV'	125.0474	0.00026	-0.23495	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'HOLTON 115KV'	8.2	0.00712	-0.24181	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01373	-0.24842	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01426	-0.24895	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.8593	0.00895	-0.24364	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'SMOKEY HILLS 34KV'	25	0.01445	-0.24914	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'SOUTH SENECA 115KV'	8.5	0.00166	-0.23635	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.01033	-0.24502	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'WACO 138KV'	17.946	-0.00194	-0.23275	4
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.226	4
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01373	-0.19942	4
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01426	-0.19995	4
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'SMOKEY HILLS 34KV'	25	0.01445	-0.20014	4

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.01033	-0.19602	4
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.22591	4
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01373	-0.19933	4
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01426	-0.19986	4
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'SMOKEY HILLS 34KV'	25	0.01445	-0.20005	4
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.01033	-0.19593	4
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'CHANUTE 69KV'	56.296	0.0012	-0.18689	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00037	-0.18606	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.0023	-0.18799	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'CITY OF ERIE 69KV'	2.299	0.0012	-0.18689	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00095	-0.18664	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'CITY OF GIRARD 69KV'	1.791	0.00125	-0.18694	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'CITY OF IOLA 69KV'	24.256	0.00141	-0.1871	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'CITY OF MULVANE 69KV'	4.891	-0.0005	-0.18519	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00113	-0.18456	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0023	-0.18799	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'EVANS ENERGY CENTER 138KV'	125.0474	0.00026	-0.18595	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'HOLTON 115KV'	8.2	0.00712	-0.19281	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.8593	0.00895	-0.19464	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'SOUTH SENECA 115KV'	8.5	0.00166	-0.18735	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.18569	WERE	'WACO 138KV'	17.946	-0.00194	-0.18375	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'CHANUTE 69KV'	56.296	0.0012	-0.1868	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00037	-0.18597	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.0023	-0.1879	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'CITY OF ERIE 69KV'	2.299	0.0012	-0.1868	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00095	-0.18655	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'CITY OF GIRARD 69KV'	1.791	0.00125	-0.18685	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'CITY OF IOLA 69KV'	24.256	0.00141	-0.18701	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'CITY OF MULVANE 69KV'	4.891	-0.0005	-0.1851	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00113	-0.18447	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0023	-0.1879	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'EVANS ENERGY CENTER 138KV'	125.0474	0.00026	-0.18586	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'HOLTON 115KV'	8.2	0.00712	-0.19272	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.8593	0.00895	-0.19455	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'SOUTH SENECA 115KV'	8.5	0.00166	-0.18726	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.1856	WERE	'WACO 138KV'	17.946	-0.00194	-0.18366	5
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.1398	6
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'HOLTON 115KV'	8.2	0.00712	-0.10661	8
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01373	-0.11322	8
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01426	-0.11375	8
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.8593	0.00895	-0.10844	8
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'SMOKEY HILLS 34KV'	25	0.01445	-0.11394	8
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'TECUMSEH ENERGY CENTER 115KV'	88	0.01033	-0.10982	8
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'CHANUTE 69KV'	56.296	0.0012	-0.10069	9
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00037	-0.09986	9
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.0023	-0.10179	9
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00095	-0.10044	9
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'CITY OF IOLA 69KV'	24.256	0.00141	-0.1009	9
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'CITY OF MULVANE 69KV'	4.891	-0.0005	-0.09899	9
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00113	-0.09836	9
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0023	-0.10179	9
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'EVANS ENERGY CENTER 138KV'	125.0474	0.00026	-0.09975	9
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'SOUTH SENECA 115KV'	8.5	0.00166	-0.10115	9
WERE	'ST JOHN 115KV'	7.5	-0.09949	WERE	'WACO 138KV'	17.946	-0.00194	-0.09755	9
MIDW	'PAWNEE 115KV'	999	-0.09949	MIDW	'COLBY 115KV'	10.19004	-0.03448	-0.06501	13
MIDW	'RICE 115KV'	999	-0.09949	MIDW	'COLBY 115KV'	10.19004	-0.03448	-0.06501	13
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.08162	WEPL	'HARPER 138KV'	15.41	-0.02712	-0.0545	16
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.08162	WEPL	'HARPER 138KV'	15.41	-0.02712	-0.0545	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23469	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	-0.18569	-0.049	18
MIDW	'GREAT BEND PLANT 69KV'	10	-0.08369	MIDW	'COLBY 115KV'	10.19004	-0.03448	-0.04921	18
WERE	'CITY OF MULVANE 69KV'	10.899	-0.0005	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.04081	21
WERE	'CITY OF WELLINGTON 69KV'	23.5	-0.00113	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.04144	21
WERE	'CITY OF WINFIELD 69KV'	40	-0.00066	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.04097	21
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00219	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.0425	21
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00157	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.04188	21
WERE	'CHANUTE 69KV'	31.504	0.0012	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.03911	22
WERE	'CITY OF ERIE 69KV'	24.231	0.0012	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.03911	22
WERE	'CITY OF GIRARD 69KV'	8.909	0.00125	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.03906	22
WERE	'EVANS ENERGY CENTER 138KV'	667.9526	0.00026	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.04005	22
WERE	'GETTY 69KV'	35	0.00055	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.03976	22
WERE	'LATHAM1234.0 345KV'	150	0.00109	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.03922	22
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00117	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.03914	22
WERE	'CITY OF BURLINGTON 69KV'	7.7	0.0023	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.03801	23
WERE	'CITY OF IOLA 69KV'	13.372	0.00141	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.0389	23
WERE	'SOUTH SENECA 115KV'	8.2	0.00166	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.03865	23
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.00508	WERE	'CLAY CENTER JUNCTION 115KV'	8.584003	0.04031	-0.03523	25

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

Upgrade: WICHITA - RENO 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: 57374574381568725687312207G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090662	0.3	3.3
1090674	0.1	3.3
1090808	0.1	3.3
1090964	2.2	3.3
1090965	0.6	3.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'ABILENE ENERGY CENTER 115KV'	21.88843	0.0576	-0.30005	11
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'CHANUTE 69KV'	40.39	0.00149	-0.24394	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00057	-0.24302	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'CITY OF BURLINGTON 69KV'	4.8	0.00281	-0.24526	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'CITY OF FREDONIA 69KV'	5.225	0.00119	-0.24364	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'CITY OF IOLA 69KV'	17.08	0.00172	-0.24417	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	20.09	0.00281	-0.24526	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'HOLTON 115KV'	12.2	0.00862	-0.25107	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01615	-0.2586	13

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01674	-0.25919	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.01004	-0.25249	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.1803	0.01055	-0.253	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.01215	-0.2546	13
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'ABILENE ENERGY CENTER 115KV'	21.88843	0.0576	-0.25386	13
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'ABILENE ENERGY CENTER 115KV'	21.88843	0.0576	-0.25377	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'CITY OF MULVANE 69KV'	4.922	-0.00044	-0.24201	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'CITY OF WELLINGTON 69KV'	27.198	-0.00121	-0.24124	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00045	-0.2429	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00238	-0.24007	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'WACO 138KV'	18	-0.00209	-0.24036	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01615	-0.21241	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01674	-0.213	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01615	-0.21232	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01674	-0.21291	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	20.09	0.00281	-0.19907	16
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'HOLTON 115KV'	12.2	0.00862	-0.20488	16
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.01004	-0.2063	16
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.1803	0.01055	-0.20681	16
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.01215	-0.20841	16
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	20.09	0.00281	-0.19898	16
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'HOLTON 115KV'	12.2	0.00862	-0.20479	16
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.01004	-0.20621	16
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.1803	0.01055	-0.20672	16
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.01215	-0.20832	16
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'CHANUTE 69KV'	40.39	0.00149	-0.19775	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00057	-0.19683	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'CITY OF IOLA 69KV'	17.08	0.00172	-0.19798	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'CITY OF WELLINGTON 69KV'	27.198	-0.00121	-0.19505	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00045	-0.19671	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00238	-0.19388	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.19626	WERE	'WACO 138KV'	18	-0.00209	-0.19417	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'CHANUTE 69KV'	40.39	0.00149	-0.19766	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00057	-0.19674	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'CITY OF IOLA 69KV'	17.08	0.00172	-0.19789	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'CITY OF WELLINGTON 69KV'	27.198	-0.00121	-0.19496	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00045	-0.19662	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00238	-0.19379	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19617	WERE	'WACO 138KV'	18	-0.00209	-0.19408	17
WERE	'ST JOHN 115KV'	7.5	-0.11208	WERE	'ABILENE ENERGY CENTER 115KV'	21.88843	0.0576	-0.16968	19
WERE	'GILL ENERGY CENTER 138KV'	118	-0.00238	WERE	'ABILENE ENERGY CENTER 115KV'	21.88843	0.0576	-0.05998	55
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00166	WERE	'ABILENE ENERGY CENTER 115KV'	21.88843	0.0576	-0.05926	55
WERE	'CITY OF WINFIELD 69KV'	40	-0.00069	WERE	'ABILENE ENERGY CENTER 115KV'	21.88843	0.0576	-0.05829	56
WERE	'EVANS ENERGY CENTER 138KV'	488	0.00045	WERE	'ABILENE ENERGY CENTER 115KV'	21.88843	0.0576	-0.05715	57
WERE	'CHANUTE 69KV'	47.41	0.00149	WERE	'ABILENE ENERGY CENTER 115KV'	21.88843	0.0576	-0.05611	58
WERE	'CITY OF ERIE 69KV'	24.229	0.00149	WERE	'ABILENE ENERGY CENTER 115KV'	21.88843	0.0576	-0.05611	58
WERE	'GETTY 69KV'	35	0.00079	WERE	'ABILENE ENERGY CENTER 115KV'	21.88843	0.0576	-0.05681	58
WERE	'LATHAM1234.0 345KV'	150	0.00139	WERE	'ABILENE ENERGY CENTER 115KV'	21.88843	0.0576	-0.05621	58
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00144	WERE	'ABILENE ENERGY CENTER 115KV'	21.88843	0.0576	-0.05616	58
WERE	'CITY OF IOLA 69KV'	20.548	0.00172	WERE	'ABILENE ENERGY CENTER 115KV'	21.88843	0.0576	-0.05588	59
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.24245	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.19626	-0.04619	71
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	42.28732	-0.09786	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.06325	-0.03461	95
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	42.28732	-0.09786	WEPL	'JUDSON LARGE 115KV'	48.12384	-0.06317	-0.03469	95

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

Upgrade: WICHITA - RENO 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: 573745743815687256873122O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090662	0.8	3.9
1090674	0.1	3.9
1090817	1.1	3.9
1090964	1.5	3.9
1090965	0.4	3.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	0.04033	-0.27501	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'CHANUTE 69KV'	46.617	0.00121	-0.23589	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00231	-0.23699	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'CITY OF ERIE 69KV'	22.264	0.00121	-0.23589	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'CITY OF IOLA 69KV'	19.865	0.00142	-0.2361	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00231	-0.23699	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'HOLTON 115KV'	12.2	0.00714	-0.24182	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01374	-0.24842	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01427	-0.24895	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00852	-0.2432	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00896	-0.24364	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'SOUTH SENECA 115KV'	8.5	0.00169	-0.23637	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.01035	-0.24503	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00038	-0.23506	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00049	-0.23419	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00112	-0.23356	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00027	-0.23495	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00218	-0.2325	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'WACO 138KV'	17.947	-0.00193	-0.23275	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	0.04033	-0.22601	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'CLAY CENTER JUNCTION 115KV'	17.01001	0.04033	-0.22592	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01374	-0.19942	19
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01427	-0.19995	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01374	-0.19933	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01427	-0.19986	19
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'HOLTON 115KV'	12.2	0.00714	-0.19282	20
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00852	-0.1942	20
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00896	-0.19464	20
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.01035	-0.19603	20
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'HOLTON 115KV'	12.2	0.00714	-0.19273	20
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00852	-0.19411	20
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'LAWRENCE ENERGY CENTER 230KV'	235.9986	0.00896	-0.19455	20

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.01035	-0.19594	20
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'CHANUTE 69KV'	46.617	0.00121	-0.18689	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00038	-0.18606	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00231	-0.18799	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'CITY OF ERIE 69KV'	22.264	0.00121	-0.18689	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'CITY OF IOLA 69KV'	19.865	0.00142	-0.1871	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00112	-0.18456	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00231	-0.18799	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00027	-0.18595	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00218	-0.1835	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'SOUTH SENECA 115KV'	8.5	0.00169	-0.18737	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	303	-0.18568	WERE	'WACO 138KV'	17.947	-0.00193	-0.18375	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'CHANUTE 69KV'	46.617	0.00121	-0.1868	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00038	-0.18597	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00231	-0.1879	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'CITY OF ERIE 69KV'	22.264	0.00121	-0.1868	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'CITY OF IOLA 69KV'	19.865	0.00142	-0.18701	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.00112	-0.18447	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00231	-0.1879	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'EVANS ENERGY CENTER 138KV'	262.1094	0.00027	-0.18586	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'GILL ENERGY CENTER 138KV'	77	-0.00218	-0.18341	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'SOUTH SENECA 115KV'	8.5	0.00169	-0.18728	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18559	WERE	'WACO 138KV'	17.947	-0.00193	-0.18366	21
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23468	WERE	'HUTCHINSON ENERGY CENTER 115KV'	80.00001	-0.18568	-0.049	79

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

Upgrade: WICHITA - RENO 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: 57374574381568725687312207WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090612	0.1	7.4
1090612	0.2	7.4
1090662	0.5	7.4
1090674	0.1	7.4
1090817	2.3	7.4
1090964	3.3	7.4
1090965	0.9	7.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23467	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01375	-0.24842	30
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23467	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01428	-0.24895	30
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23467	WERE	'LAWRENCE ENERGY CENTER 230KV'	135.5514	0.00897	-0.24364	30
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23467	WERE	'SMOKEY HILLS 34KV'	25	0.01448	-0.24915	30
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23467	WERE	'CHANUTE 69KV'	34.818	0.00122	-0.23589	31
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23467	WERE	'CITY OF IOLA 69KV'	14.565	0.00142	-0.23609	31
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23467	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.00232	-0.23699	31
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23467	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00039	-0.23506	32
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23467	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00111	-0.23356	32
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23467	WERE	'EVANS ENERGY CENTER 138KV'	46.5664	0.00028	-0.23495	32
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23467	WERE	'WACO 138KV'	17.93	-0.00192	-0.23275	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18566	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01375	-0.19941	37
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18566	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01428	-0.19994	37
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18566	WERE	'SMOKEY HILLS 34KV'	25	0.01448	-0.20014	37
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18557	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01375	-0.19932	37
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18557	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01428	-0.19985	37
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18557	WERE	'SMOKEY HILLS 34KV'	25	0.01448	-0.20005	37
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18566	WERE	'LAWRENCE ENERGY CENTER 230KV'	135.5514	0.00897	-0.19463	38
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18557	WERE	'LAWRENCE ENERGY CENTER 230KV'	135.5514	0.00897	-0.19454	38
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18566	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.00232	-0.18798	39
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18557	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.00232	-0.18789	39
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18566	WERE	'CHANUTE 69KV'	34.818	0.00122	-0.18688	40
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18566	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00039	-0.18605	40
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18566	WERE	'CITY OF IOLA 69KV'	14.565	0.00142	-0.18708	40
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18566	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00111	-0.18455	40
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18566	WERE	'EVANS ENERGY CENTER 138KV'	46.5664	0.00028	-0.18594	40
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18566	WERE	'WACO 138KV'	17.93	-0.00192	-0.18374	40
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18557	WERE	'CHANUTE 69KV'	34.818	0.00122	-0.18679	40
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18557	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00039	-0.18596	40
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18557	WERE	'CITY OF IOLA 69KV'	14.565	0.00142	-0.18699	40
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18557	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00111	-0.18446	40
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18557	WERE	'EVANS ENERGY CENTER 138KV'	46.5664	0.00028	-0.18585	40
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18557	WERE	'WACO 138KV'	17.93	-0.00192	-0.18365	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

Upgrade: WICHITA - RENO 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: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090325	0.9	14.3
1090327	0.3	14.3
1090612	0.1	14.3
1090612	0.1	14.3
1090662	0.2	14.3
1090674	0.1	14.3
1090817	0.7	14.3
1090826	1.0	14.3
1090839	1.0	14.3
1090841	1.0	14.3
1090844	0.3	14.3
1090852	0.3	14.3

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

1090853	0.5	14.3
1090854	0.2	14.3
1090917	0.3	14.3
1090919	0.1	14.3
1090920	0.6	14.3
1090921	0.2	14.3
1090922	1.9	14.3
1090923	0.5	14.3
1090934	1.0	14.3
1090935	0.2	14.3
1090964	0.9	14.3
1090965	0.3	14.3
1091052	0.3	14.3
1091053	0.5	14.3
1091055	0.8	14.3
1091057	0.3	14.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23462	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01372	-0.24834	57
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23462	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01426	-0.24888	57
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23462	WERE	'SMOKEY HILLS 34KV'	25	0.01452	-0.24914	57
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23462	WERE	'SMOKYHIL 230 230KV'	30	0.01452	-0.24914	57
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23462	WERE	'LAWRENCE ENERGY CENTER 230KV'	136.1463	0.00896	-0.24358	59
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23462	WERE	'CHANUTE 69KV'	34.903	0.00122	-0.23584	61
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18561	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01426	-0.19987	71
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18561	WERE	'SMOKEY HILLS 34KV'	25	0.01452	-0.20013	71
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18561	WERE	'SMOKYHIL 230 230KV'	30	0.01452	-0.20013	71
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18542	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01426	-0.19968	71
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18542	WERE	'SMOKEY HILLS 34KV'	25	0.01452	-0.19994	71
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18542	WERE	'SMOKYHIL 230 230KV'	30	0.01452	-0.19994	71
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18561	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01372	-0.19933	72
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18542	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01372	-0.19914	72
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18561	WERE	'LAWRENCE ENERGY CENTER 230KV'	136.1463	0.00896	-0.19457	73
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18542	WERE	'LAWRENCE ENERGY CENTER 230KV'	136.1463	0.00896	-0.19438	73
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.18561	WERE	'CHANUTE 69KV'	34.903	0.00122	-0.18683	76
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18542	WERE	'CHANUTE 69KV'	34.903	0.00122	-0.18664	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

Upgrade: WICHITA - RENO 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: 12/1/11 - 4/1/12
Season Flowgate Identified:

Reservation	Relief Amount	Aggregate Relief Amount
1090325	0.7	15.6
1090327	0.2	15.6
1090329	0.9	15.6
1090331	0.3	15.6
1090332	1.3	15.6
1090334	0.3	15.6
1090377	0.9	15.6
1090378	0.2	15.6
1090382	0.5	15.6
1090383	0.2	15.6
1090612	0.1	15.6
1090612	0.1	15.6
1090662	0.1	15.6
1090674	0.1	15.6
1090676	0.1	15.6
1090817	0.5	15.6
1090826	0.8	15.6
1090829	0.3	15.6
1090839	0.8	15.6
1090841	0.8	15.6
1090844	0.2	15.6
1090852	0.2	15.6
1090853	0.4	15.6
1090854	0.1	15.6
1090917	0.2	15.6
1090919	0.1	15.6
1090920	0.4	15.6
1090921	0.1	15.6
1090922	1.3	15.6
1090923	0.3	15.6
1090934	0.6	15.6
1090935	0.2	15.6
1090964	0.7	15.6
1090965	0.2	15.6
1091052	0.2	15.6
1091053	0.4	15.6
1091055	0.6	15.6
1091057	0.2	15.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23458	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0137	-0.24828	63
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23458	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01425	-0.24883	63
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23458	WERE	'SMOKEY HILLS 34KV'	25	0.01454	-0.24912	63
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23458	WERE	'SMOKYHIL 230 230KV'	24	0.01454	-0.24912	63
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23458	WERE	'LAWRENCE ENERGY CENTER 230KV'	174.0622	0.0089	-0.24348	64
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23458	WERE	'TECUMSEH ENERGY CENTER 115KV'	43.36816	0.01031	-0.24489	64
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23458	WERE	'CHANUTE 69KV'	56.697	0.00122	-0.2358	66
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23458	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00025	-0.23483	66
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.18556	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0137	-0.19926	78
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.18556	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01425	-0.19981	78
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18538	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0137	-0.19908	78
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18538	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01425	-0.19963	78
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.18556	WERE	'LAWRENCE ENERGY CENTER 230KV'	174.0622	0.0089	-0.19446	80
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.18556	WERE	'TECUMSEH ENERGY CENTER 115KV'	43.36816	0.01031	-0.19587	80
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18538	WERE	'LAWRENCE ENERGY CENTER 230KV'	174.0622	0.0089	-0.19428	80

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18538	WERE	'TECUMSEH ENERGY CENTER 115KV'	43.36816	0.01031	-0.19569	80
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.18556	WERE	'CHANUTE 69KV'	56.697	0.00122	-0.18678	84
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.18556	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00025	-0.18581	84
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18538	WERE	'CHANUTE 69KV'	56.697	0.00122	-0.1866	84
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18538	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00025	-0.18563	84

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

Upgrade: WICHITA - RENO 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: 573745743825687256873122O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090612	0.2	6.2
1090612	0.1	6.2
1090662	0.4	6.2
1090674	0.1	6.2
1090817	1.9	6.2
1090964	2.7	6.2
1090965	0.8	6.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26996	WERE	'CLAY CENTER JUNCTION 115KV'	8.375996	0.0464	-0.31636	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26996	WERE	'HOLTON 115KV'	8.2	0.00822	-0.27818	22
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26996	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01582	-0.28578	22
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26996	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01643	-0.28639	22
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26996	WERE	'LAWRENCE ENERGY CENTER 230KV'	135.5514	0.01032	-0.28028	22
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26996	WERE	'SMOKEY HILLS 34KV'	25	0.01666	-0.28662	22
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26996	WERE	'CHANUTE 69KV'	34.818	0.0014	-0.27136	23
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26996	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00044	-0.2704	23
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26996	WERE	'CITY OF IOLA 69KV'	14.565	0.00164	-0.2716	23
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26996	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00128	-0.26868	23
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26996	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.00267	-0.27263	23
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26996	WERE	'EVANS ENERGY CENTER 138KV'	46.5664	0.00032	-0.27028	23
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26996	WERE	'SOUTH SENECA 115KV'	8.5	0.00195	-0.27191	23
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26996	WERE	'WACO 138KV'	17.93	-0.00221	-0.26775	23
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21358	WERE	'CLAY CENTER JUNCTION 115KV'	8.375996	0.0464	-0.25998	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21348	WERE	'CLAY CENTER JUNCTION 115KV'	8.375996	0.0464	-0.25988	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21358	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01582	-0.2294	27
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21358	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01643	-0.23001	27
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21358	WERE	'SMOKEY HILLS 34KV'	25	0.01666	-0.23024	27
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21348	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01582	-0.2293	27
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21348	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01643	-0.22991	27
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21348	WERE	'SMOKEY HILLS 34KV'	25	0.01666	-0.23014	27
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21358	WERE	'LAWRENCE ENERGY CENTER 230KV'	135.5514	0.01032	-0.2239	28
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21348	WERE	'LAWRENCE ENERGY CENTER 230KV'	135.5514	0.01032	-0.2238	28
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21358	WERE	'CHANUTE 69KV'	34.818	0.0014	-0.21498	29
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21358	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00044	-0.21402	29
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21358	WERE	'CITY OF IOLA 69KV'	14.565	0.00164	-0.21522	29
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21358	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00128	-0.2123	29
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21358	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.00267	-0.21625	29
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21358	WERE	'EVANS ENERGY CENTER 138KV'	46.5664	0.00032	-0.2139	29
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21358	WERE	'WACO 138KV'	17.93	-0.00221	-0.21137	29
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21348	WERE	'CHANUTE 69KV'	34.818	0.0014	-0.21488	29
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21348	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00044	-0.21392	29
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21348	WERE	'CITY OF IOLA 69KV'	14.565	0.00164	-0.21512	29
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21348	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00128	-0.2122	29
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21348	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.95	0.00267	-0.21615	29
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21348	WERE	'EVANS ENERGY CENTER 138KV'	46.5664	0.00032	-0.2138	29
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21348	WERE	'WACO 138KV'	17.93	-0.00221	-0.21127	29
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.09386	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.0591	-0.03476	178

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

Upgrade: WICHITA - RENO 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: 573745743825687256873122O8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090325	0.3	4.7
1090327	0.1	4.7
1090612	0.1	4.7
1090612	0.1	4.7
1090662	0.1	4.7
1090674	0.1	4.7
1090817	0.2	4.7
1090826	0.3	4.7
1090839	0.3	4.7
1090841	0.3	4.7
1090844	0.1	4.7
1090852	0.1	4.7
1090853	0.2	4.7
1090854	0.1	4.7
1090917	0.1	4.7
1090919	0.1	4.7
1090920	0.2	4.7
1090921	0.1	4.7
1090922	0.6	4.7
1090923	0.2	4.7
1090934	0.3	4.7
1090935	0.1	4.7
1090964	0.3	4.7
1090965	0.1	4.7
1091052	0.1	4.7

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

1091053	0.2	4.7
1091055	0.2	4.7
1091057	0.1	4.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'CLAY CENTER JUNCTION 115KV'	10.632	0.04638	-0.31629	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01578	-0.28569	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0164	-0.28631	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'SMOKEY HILLS 34KV'	25	0.0167	-0.28661	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'SMOKYHIL 230 230KV'	30	0.0167	-0.28661	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'CHANUTE 69KV'	34.903	0.0014	-0.27131	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00041	-0.27032	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'CITY OF IOLA 69KV'	19.902	0.00165	-0.27156	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00262	-0.27253	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'EVANS ENERGY CENTER 138KV'	15.14941	0.00029	-0.2702	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'HOLTON 115KV'	8.2	0.00818	-0.27809	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'LAWRENCE ENERGY CENTER 230KV'	136.1463	0.0103	-0.28021	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'SOUTH SENECA 115KV'	8.5	0.00184	-0.27175	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00131	-0.2686	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26991	WERE	'WACO 138KV'	17.414	-0.00224	-0.26767	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'CLAY CENTER JUNCTION 115KV'	10.632	0.04638	-0.2599	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'CLAY CENTER JUNCTION 115KV'	10.632	0.04638	-0.25969	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0164	-0.22992	20
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'SMOKEY HILLS 34KV'	25	0.0167	-0.23022	20
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'SMOKYHIL 230 230KV'	30	0.0167	-0.23022	20
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0164	-0.22971	20
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'SMOKEY HILLS 34KV'	25	0.0167	-0.23001	20
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'SMOKYHIL 230 230KV'	30	0.0167	-0.23001	20
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'HOLTON 115KV'	8.2	0.00818	-0.2217	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01578	-0.2293	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'LAWRENCE ENERGY CENTER 230KV'	136.1463	0.0103	-0.22382	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'HOLTON 115KV'	8.2	0.00818	-0.22149	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01578	-0.22909	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'LAWRENCE ENERGY CENTER 230KV'	136.1463	0.0103	-0.22361	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'CHANUTE 69KV'	34.903	0.0014	-0.21492	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00041	-0.21393	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'CITY OF IOLA 69KV'	19.902	0.00165	-0.21517	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00131	-0.21221	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00262	-0.21614	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'EVANS ENERGY CENTER 138KV'	15.14941	0.00029	-0.21381	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'SOUTH SENECA 115KV'	8.5	0.00184	-0.21536	22
WERE	'HUTCHINSON ENERGY CENTER 115KV'	423	-0.21352	WERE	'WACO 138KV'	17.414	-0.00224	-0.21128	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'CHANUTE 69KV'	34.903	0.0014	-0.21471	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00041	-0.21372	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'CITY OF IOLA 69KV'	19.902	0.00165	-0.21496	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00131	-0.212	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00262	-0.21593	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'EVANS ENERGY CENTER 138KV'	15.14941	0.00029	-0.2136	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'SOUTH SENECA 115KV'	8.5	0.00184	-0.21515	22
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21331	WERE	'WACO 138KV'	17.414	-0.00224	-0.21107	22
MIDW	'PAWNEE 115KV'	999	-0.11438	MIDW	'KNOLL 3 115 115KV'	71	-0.04855	-0.06583	72
MIDW	'RICE 115KV'	999	-0.11438	MIDW	'KNOLL 3 115 115KV'	71	-0.04855	-0.06583	72
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.09374	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.05965	-0.03409	138

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

Upgrade: WICHITA - RENO 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: 573745743825687256873122 11WP
Date Redispatch Needed: 12/1/11 - 4/1/12
Season Flowgate Identified:

Reservation	Relief Amount	Aggregate Relief Amount
1090325	0.3	8.5
1090327	0.1	8.5
1090329	0.4	8.5
1090331	0.1	8.5
1090332	0.6	8.5
1090334	0.2	8.5
1090377	0.5	8.5
1090378	0.2	8.5
1090382	0.3	8.5
1090383	0.1	8.5
1090612	0.1	8.5
1090612	0.1	8.5
1090662	0.1	8.5
1090674	0.1	8.5
1090676	0.1	8.5
1090817	0.2	8.5
1090826	0.4	8.5
1090829	0.2	8.5
1090839	0.4	8.5
1090841	0.4	8.5
1090844	0.2	8.5
1090852	0.2	8.5
1090853	0.2	8.5
1090854	0.1	8.5
1090917	0.1	8.5
1090919	0.1	8.5
1090920	0.2	8.5
1090921	0.1	8.5
1090922	0.7	8.5
1090923	0.2	8.5
1090934	0.3	8.5
1090935	0.1	8.5
1090964	0.3	8.5
1090965	0.2	8.5
1091052	0.2	8.5
1091053	0.2	8.5
1091055	0.3	8.5
1091057	0.2	8.5

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26986	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01577	-0.28563	30
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26986	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01639	-0.28625	30
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26986	WERE	'LAWRENCE ENERGY CENTER 230KV'	174.0622	0.01024	-0.2801	30
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26986	WERE	'SMOKEY HILLS 34KV'	25	0.01673	-0.28659	30
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26986	WERE	'SMOKYHIL 230 230KV'	24	0.01673	-0.28659	30
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26986	WERE	'TECUMSEH ENERGY CENTER 115KV'	43.36816	0.01186	-0.28172	30
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26986	WERE	'CHANUTE 69KV'	56.697	0.0014	-0.27126	31
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26986	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00043	-0.27029	31
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26986	WERE	'CITY OF IOLA 69KV'	16.378	0.00165	-0.27151	31
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26986	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00029	-0.27015	31
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26986	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00132	-0.26854	32
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26986	WERE	'WACO 138KV'	17.96	-0.00224	-0.26762	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21347	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01577	-0.22924	37
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21347	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01639	-0.22986	37
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21347	WERE	'SMOKEY HILLS 34KV'	25	0.01673	-0.2302	37
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21347	WERE	'SMOKYHIL 230 230KV'	24	0.01673	-0.2302	37
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21326	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01577	-0.22903	37
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21326	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01639	-0.22965	37
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21326	WERE	'SMOKEY HILLS 34KV'	25	0.01673	-0.22999	37
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21326	WERE	'SMOKYHIL 230 230KV'	24	0.01673	-0.22999	37
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21347	WERE	'LAWRENCE ENERGY CENTER 230KV'	174.0622	0.01024	-0.22371	38
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21347	WERE	'TECUMSEH ENERGY CENTER 115KV'	43.36816	0.01186	-0.22533	38
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21326	WERE	'LAWRENCE ENERGY CENTER 230KV'	174.0622	0.01024	-0.2235	38
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21326	WERE	'TECUMSEH ENERGY CENTER 115KV'	43.36816	0.01186	-0.22512	38
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21347	WERE	'CHANUTE 69KV'	56.697	0.0014	-0.21487	39
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21347	WERE	'CITY OF IOLA 69KV'	16.378	0.00165	-0.21512	39
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21326	WERE	'CHANUTE 69KV'	56.697	0.0014	-0.21466	39
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21326	WERE	'CITY OF IOLA 69KV'	16.378	0.00165	-0.21491	39
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21347	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00043	-0.2139	40
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21347	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00132	-0.21215	40
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21347	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00029	-0.21376	40
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21347	WERE	'WACO 138KV'	17.96	-0.00224	-0.21123	40
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21326	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00043	-0.21369	40
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21326	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00132	-0.21194	40
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21326	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00029	-0.21355	40
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21326	WERE	'WACO 138KV'	17.96	-0.00224	-0.21102	40
MIDW	'PAWNEE 115KV'	999	-0.11431	MIDW	'KNOLL 3 115 115KV'	48	-0.04847	-0.06584	129
MIDW	'RICE 115KV'	999	-0.11431	MIDW	'KNOLL 3 115 115KV'	48	-0.04847	-0.06584	129

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

Upgrade: WOODWARD - WOODWARD 69KV CKT 1
Limiting Facility: WOODWARD - WOODWARD 69KV CKT 1
Direction: From->To
Line Outage: FPL SWITCH - WOODWARD 138KV CKT 1
Flowgate: 5609654782155785547851110 7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1086238	0.7	0.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'FPLWND2 34KV'	102	0.04514	-0.49171	1
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'AES 161KV'	320	-0.00021	-0.44636	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'HORSESHOE LAKE 138KV'	91	-0.00148	-0.44509	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'HORSESHOE LAKE 69KV'	16	-0.00141	-0.44516	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'MCCLAIN 138KV'	478	-0.00231	-0.44426	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'MUSKOGEE 345KV'	1516	-0.0003	-0.44627	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'MUSTANG 138KV'	50	-0.00236	-0.44421	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'MUSTANG 69KV'	98.87157	-0.00255	-0.44402	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'ONE OAK 345KV'	100	-0.00097	-0.4456	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'SEMINOLE 138KV'	476.2635	-0.0011	-0.44547	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'SEMINOLE 345KV'	996	-0.00114	-0.44543	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'SMITH COGEN 138KV'	110	-0.00223	-0.44434	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'SOONER 138KV'	505	0.00148	-0.44805	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'SOONER 345KV'	513	0.00067	-0.44724	2
WFEC	'ANADARKO 138KV'	5.26828	0.0001	WFEC	'SLEEPING BEAR 138KV'	96	0.08953	-0.08943	8
WFEC	'ANADARKO 138KV'	90	0.0001	WFEC	'SLEEPING BEAR 138KV'	96	0.08953	-0.08943	8
WFEC	'ANADARKO 69KV'	76	0.00019	WFEC	'SLEEPING BEAR 138KV'	96	0.08953	-0.08934	8
WFEC	'BLUCAN14 138 138KV'	151.2	0.00032	WFEC	'SLEEPING BEAR 138KV'	96	0.08953	-0.08921	8
OKGE	'HORSESHOE LAKE 138KV'	380	-0.00148	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04662	15
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.00148	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04662	15
OKGE	'MCCLAIN 138KV'	42	-0.00231	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04745	15
OKGE	'MUSTANG 138KV'	315.5	-0.00236	OKGE	'FPLWND2 34KV'	102	0.04514	-0.0475	15
OKGE	'MUSTANG 69KV'	7.128418	-0.00255	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04769	15
OKGE	'TINKER 5G 138KV'	62	-0.00148	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04662	15
WFEC	'ANADARKO 138KV'	90	0.0001	WFEC	'MORLND 138KV'	160.0176	0.04514	-0.04504	16
WFEC	'ANADARKO 69KV'	76	0.00019	WFEC	'MORLND 138KV'	160.0176	0.04514	-0.04495	16
WFEC	'BLUCAN14 138 138KV'	151.2	0.00032	WFEC	'MORLND 138KV'	160.0176	0.04514	-0.04482	16
WFEC	'MORLND 138KV'	159.9824	0.04514	WFEC	'SLEEPING BEAR 138KV'	96	0.08953	-0.04439	16
OKGE	'MUSKOGEE 161KV'	166	-0.00026	OKGE	'FPLWND2 34KV'	102	0.04514	-0.0454	16
OKGE	'MUSKOGEE 161KV'	31	-0.00026	OKGE	'FPLWND2 34KV'	102	0.04514	-0.0454	16
OKGE	'MUSKOGEE 345KV'	20	-0.0003	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04544	16
OKGE	'ONE OAK 345KV'	236	-0.00097	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04611	16
OKGE	'REDBUD 345KV'	900	-0.00099	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04613	16
OKGE	'REDBUD 345KV'	300	-0.00099	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04613	16
OKGE	'SEMINOLE 138KV'	28.73651	-0.0011	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04624	16
OKGE	'SOONER 138KV'	24.99997	0.00148	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04366	16
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.00914	OKGE	'FPLWND2 34KV'	102	0.04514	-0.036	20

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

Upgrade: WOODWARD - WOODWARD 69KV CKT 1
Limiting Facility: WOODWARD - WOODWARD 69KV CKT 1
Direction: From->To
Line Outage: FPL SWITCH - WOODWARD 138KV CKT 1
Flowgate: 5609654782155785547851110 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07

Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	0.7	0.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'FPLWND2 34KV'	102	0.04514	-0.49171	1
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'AES 161KV'	320	-0.00021	-0.44636	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'HORSESHOE LAKE 138KV'	380	-0.00148	-0.44509	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'HORSESHOE LAKE 138KV'	91	-0.00148	-0.44509	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'HORSESHOE LAKE 138KV'	217.5508	-0.00148	-0.44509	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'HORSESHOE LAKE 69KV'	16	-0.00141	-0.44516	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'MCCLAIN 138KV'	478	-0.0023	-0.44427	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'MUSKOGEE 345KV'	1516	-0.0003	-0.44627	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'MUSTANG 138KV'	365.5	-0.00236	-0.44421	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'MUSTANG 69KV'	106	-0.00255	-0.44402	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'ONE OAK 345KV'	132	-0.00097	-0.4456	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'SEMINOLE 138KV'	476.7589	-0.0011	-0.44547	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'SEMINOLE 345KV'	996	-0.00114	-0.44543	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'SMITH COGEN 138KV'	110	-0.00223	-0.44434	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'SOONER 138KV'	505	0.00148	-0.44805	2
OKGE	'WOODWARD 24KV'	9.3	-0.44657	OKGE	'SOONER 345KV'	513	0.00067	-0.44724	2
WFEC	'ANADARKO 138KV'	90	0.0001	WFEC	'SLEEPING BEAR 138KV'	96	0.08953	-0.08943	8
WFEC	'ANADARKO 69KV'	76	0.00019	WFEC	'SLEEPING BEAR 138KV'	96	0.08953	-0.08934	8
WFEC	'BLUCAN14 138 138KV'	151.2	0.00032	WFEC	'SLEEPING BEAR 138KV'	96	0.08953	-0.08921	8
OKGE	'HORSESHOE LAKE 138KV'	162.9492	-0.00148	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04662	15
OKGE	'MCCLAIN 138KV'	42	-0.0023	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04744	15
OKGE	'TINKER 5G 138KV'	62	-0.00148	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04662	15
WFEC	'ANADARKO 138KV'	90	0.0001	WFEC	'MORLND 138KV'	294.7338	0.04514	-0.04504	16
WFEC	'ANADARKO 69KV'	76	0.00019	WFEC	'MORLND 138KV'	294.7338	0.04514	-0.04495	16
WFEC	'BLUCAN14 138 138KV'	151.2	0.00032	WFEC	'MORLND 138KV'	294.7338	0.04514	-0.04482	16
WFEC	'MORLND 138KV'	25.26624	0.04514	WFEC	'SLEEPING BEAR 138KV'	96	0.08953	-0.04439	16
OKGE	'MUSKOGEE 161KV'	166	-0.00026	OKGE	'FPLWND2 34KV'	102	0.04514	-0.0454	16
OKGE	'MUSKOGEE 161KV'	31	-0.00026	OKGE	'FPLWND2 34KV'	102	0.04514	-0.0454	16
OKGE	'MUSKOGEE 345KV'	20	-0.0003	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04544	16
OKGE	'ONE OAK 345KV'	204	-0.00097	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04611	16
OKGE	'REDBUD 345KV'	900	-0.00099	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04613	16
OKGE	'REDBUD 345KV'	300	-0.00099	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04613	16
OKGE	'SEMINOLE 138KV'	28.24118	-0.0011	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04624	16
OKGE	'SOONER 138KV'	24.99997	0.00148	OKGE	'FPLWND2 34KV'	102	0.04514	-0.04366	16
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.00914	OKGE	'FPLWND2 34KV'	102	0.04514	-0.036	20

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

Upgrade: YOAKUM COUNTY INTERCHANGE 230-115KV TRANSFORMER CKT 1
Limiting Facility: YOAKUM COUNTY INTERCHANGE 230-115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: MUSTANG STATION 230-115KV TRANSFORMER CKT 1
Flowgate: 5189051891151969519661310 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	23.6	23.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	'MADOX 115KV'	75	-0.06213	SPS	'MUSTG5 118.0 230KV'	360	0.1552	-0.21733	108
SPS	'CUNNINGHAM 115KV'	71	-0.06026	SPS	'MUSTG5 118.0 230KV'	360	0.1552	-0.21546	109
SPS	'LP-BRND2 69KV'	152	-0.01329	SPS	'MUSTG5 118.0 230KV'	360	0.1552	-0.16849	140
SPS	'JONES 230KV'	243	-0.01219	SPS	'MUSTG5 118.0 230KV'	360	0.1552	-0.16739	141
SPS	'NICHOLS 115KV'	66.00001	0.00483	SPS	'MUSTG5 118.0 230KV'	360	0.1552	-0.15037	157
SPS	'NICHOLS 230KV'	134.6729	0.00496	SPS	'MUSTG5 118.0 230KV'	360	0.1552	-0.15024	157
SPS	'TOLK 345KV'	540	0.01569	SPS	'MUSTG5 118.0 230KV'	360	0.1552	-0.13951	169
SPS	'TOLK 230KV'	591.5715	0.0176	SPS	'MUSTG5 118.0 230KV'	360	0.1552	-0.1376	171

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