SPP Southwest Power Pool

Aggregate Facility Study SPP-2006-AG2-AFS2 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), 2759 MW of long-term transmission service requests have been studied 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 $340,938,657. Additionally $0 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 $1,312,248,076. This is based on full allocation of levelized revenue requirements for upgrades to customers without consideration of base plan funding. The total upgrade levelized revenue requirement for all transmission requests is $2,014,783,377 without consideration of displacement of Base Plan upgrades by Requested upgrades. 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 $661,741,655.

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, nosix third-party facilities were identified. Total engineering and construction cost estimates for required third-party facility upgrades are $0.

The Transmission Provider will tender a Letter of Intent on Friday, October 6thJanuary 10, 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 October 21st, 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 2759MW of long-term transmission service has been studied over $340 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 .

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 chose Option 3, Redispatch, in the Letter of Intent sent coincident with the initial AFS, the present worth analysis of revenue requirements will be based on the deferred term with redispatch. 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.

Achievable Base Plan Avoided Revenue Requirements in the case of a Base Plan upgrade being displaced by an earlier in service date for a Requested Upgrade shall be determined per Attachment J, Section VII.C methodology. Assumption of a 40 year service life is utilized for Base Plan funded projects unless provided otherwise by the Transmission Owner. A present worth analysis of revenue requirements on a common year basis between the Base Plan and Requested Upgrades was performed to determine avoided Base Plan revenue requirements due to the displacement of the Base Plan upgrade by the Requested Upgrade. The difference in present worth between the Base Plan and Requested Upgrades is assigned to the transmission requests impacting this upgrade based on the displacement.

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, 0Four third-party facilities were identified. Total engineering and construction cost estimates for required third-party facility upgrades are $0. 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 2759 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 2759 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. .

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 (based on customer selection of redispatch if available), 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 (), Estimated Date of Upgrade Completion (), 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, October 6thJanuary 10, 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 October 21st, 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
AEPM	AG2-2006-024	1086238	WFEC	CSWS	16	7/1/2007	7/1/2027	2/1/2010	2/1/2030	7/1/2007	7/1/2027 [1]	0	07FA
AEPM	AG2-2006-033	1087745	EES	CSWS	225	1/1/2007	1/1/2010	2/1/2010	2/1/2013	1/1/2007	1/1/2010 [1]	0	07SP
AEPM	AG2-2006-034	1087757	CSWS	CSWS	172	6/1/2008	6/1/2028	2/1/2010	2/1/2030	6/1/2009	6/1/2029 [1]	0	08SP
APM	AG2-2006-031	1087085	AECI	OKGE	3	12/1/2006	12/1/2007					N/A	N/A
GSEC	AG2-2006-054	1090270	CSWS	CSWS	10	10/1/2006	10/1/2036	10/1/2011	9/30/2041			0	06WP
GSEC	AG2-2006-056	1090288	SECI	SPS	400	6/1/2011	6/1/2041					0	11SP
GSEC	AG2-2006-126	1090298	SPS	SPS	15	10/1/2007	10/1/2037	6/1/2010	6/1/2040	10/1/2007	10/1/2037 [1]	0	08SP
GSEC	AG2-2006-127	1090301	SPS	SPS	20	3/1/2007	3/1/2037	6/1/2010	6/1/2040	3/1/2007	3/1/2037 [1]	0	07AP
GSEC	AG2-2006-128	1090310	SPS	SPS	20	7/1/2007	7/1/2037	10/1/2011	9/30/2041	6/1/2010	6/1/2040 [1]	0	07FA
GSEC	AG2-2006-129	1090315	SPS	SPS	20	9/1/2007	9/1/2037	6/1/2010	6/1/2040	6/1/2010	6/1/2040 [1]	0	08SP
GSEC	AG2-2006-130	1090320	SPS	SPS	25	3/1/2011	3/1/2041					0	11SP
GSEC	AG2-2006-131	1090322	SPS	SPS	25	3/1/2009	3/1/2039					0	11SP
GSEC	AG2-2006-132	1090454	SPS	SPS	5	10/1/2006	10/1/2036	6/1/2010	6/1/2040	10/1/2006	10/1/2036 [1]	0	07SP
GSEC	AG2-2006-133	1090487	SPS	SPS	150	4/1/2007	4/1/2017	6/1/2010	5/31/2020	6/1/2010	5/31/2020 [1]	0	07FA
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	6/1/2040	6/1/2010	6/1/2040 [1]	0	07SH
KEPC	AG2-2006-067	1090416	KCPL	WR	30	6/1/2010	6/1/2030	10/1/2011	10/1/2031	6/1/2010	6/1/2030 [1]	0	11SP
KMEA	AG2-2006-065	1090401	GRDA	KCPL	1	5/1/2007	5/1/2026	10/1/2011	10/1/2030			0	07SP
KMEA	AG2-2006-065	1090528	GRDA	KCPL	1	5/1/2007	5/1/2026	10/1/2011	10/1/2030			0	07SP
KMEA	AG2-2006-084	1090548	GRDA	KCPL	1	5/1/2010	5/1/2026					0	11SP
MIDW	AG2-2006-047	1090244	WR	WR	2	6/1/2008	6/1/2013	10/1/2011	9/30/2016			0	08SP
MIDW	AG2-2006-050	1090329	WR	WR	36	6/1/2010	6/1/2035	10/1/2011	9/30/2036	6/1/2010	6/1/2035 [1]	0	11SP
MIDW	AG2-2006-050	1090331	WR	WR	9	6/1/2010	6/1/2035	10/1/2011	9/30/2036	6/1/2010	6/1/2035 [1]	0	11SP
MIDW	AG2-2006-050	1090332	WR	WR	49	6/1/2010	6/1/2035	10/1/2011	9/30/2036	6/1/2010	6/1/2035 [1]	0	11SP
MIDW	AG2-2006-050	1090334	WR	WR	11	6/1/2010	6/1/2035	10/1/2011	9/30/2036	6/1/2010	6/1/2035 [1]	0	11SP
MIDW	AG2-2006-051	1090325	WR	WR	24	6/1/2008	6/1/2038	10/1/2011	9/30/2041	6/1/2008	6/1/2038 [1]	0	08SP
MIDW	AG2-2006-051	1090327	WR	WR	6	6/1/2008	6/1/2038	10/1/2011	9/30/2041	6/1/2008	6/1/2038 [1]	0	08SP
MIDW	AG2-2006-052	1090245	WR	WR	6	6/1/2008	6/1/2013	10/1/2011	9/30/2016			0	11SP
MIDW	AG2-2006-058	1090377	EES	WR	40	5/1/2010	5/1/2040	10/1/2011	9/30/2041	5/1/2010	5/1/2040 [1]	0	11SP
MIDW	AG2-2006-058	1090378	EES	WR	10	5/1/2010	5/1/2040	10/1/2011	9/30/2041	5/1/2010	5/1/2040 [1]	0	11SP
MIDW	AG2-2006-058	1090382	EES	WR	20	5/1/2010	5/1/2040	10/1/2011	9/30/2041	5/1/2010	5/1/2040 [1]	0	11SP
MIDW	AG2-2006-058	1090383	EES	WR	5	5/1/2010	5/1/2040	10/1/2011	9/30/2041	5/1/2010	5/1/2040 [1]	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	10/1/2011	9/30/2041			0	11SP
MIDW	AG2-2006-096	1091027	WR	WR	7	6/1/2008	6/1/2038	10/1/2011	9/30/2041			0	11SP
MIDW	AG2-2006-096	1091032	WR	WR	10	6/1/2008	6/1/2038	10/1/2011	9/30/2041			0	11SP
MIDW	AG2-2006-096	1091066	WR	WR	17	6/1/2008	6/1/2013	10/1/2011	9/30/2016			0	11SP
MIDW	AG2-2006-097	1090917	WR	WR	20	6/1/2008	6/1/2038	10/1/2011	9/30/2041	6/1/2008	6/1/2038 [1]	12	08WP
MIDW	AG2-2006-097	1090919	WR	WR	5	6/1/2008	6/1/2038	10/1/2011	9/30/2041	6/1/2008	6/1/2038 [1]	3	08WP
MIDW	AG2-2006-097	1090920	WR	WR	40	6/1/2008	6/1/2038	10/1/2011	9/30/2041	6/1/2008	6/1/2038 [1]	24	08WP
MIDW	AG2-2006-097	1090921	WR	WR	10	6/1/2008	6/1/2038	10/1/2011	9/30/2041	6/1/2008	6/1/2038 [1]	6	08WP
MIDW	AG2-2006-097	1090922	WR	WR	50	6/1/2008	6/1/2038	10/1/2011	9/30/2041	6/1/2008	6/1/2038 [1]	0	11WP
MIDW	AG2-2006-097	1090934	WR	WR	60	6/1/2008	6/1/2038	10/1/2011	9/30/2041	6/1/2008	6/1/2038 [1]	37	08WP
MIDW	AG2-2006-097	1090935	WR	WR	15	6/1/2008	6/1/2038	10/1/2011	9/30/2041	6/1/2008	6/1/2038 [1]	9	08WP
MIDW	AG2-2006-098	1090958	WR	WR	3	6/1/2008	6/2/2038	10/1/2011	9/30/2041			0	11SP
MIDW	AG2-2006-098	1091043	WR	WR	1	6/1/2008	6/1/2038	10/1/2011	9/30/2041			0	08SP
MIDW	AG2-2006-098	1091044	WR	WR	2	6/1/2008	6/1/2038	10/1/2011	9/30/2041			0	11SP
MIDW	AG2-2006-099	1091034	WR	WR	1	6/1/2008	6/1/2038	10/1/2011	9/30/2041			0	08SP
MIDW	AG2-2006-099	1091035	WR	WR	1	6/1/2008	6/1/2038	10/1/2011	9/30/2041			0	08SP
MIDW	AG2-2006-099	1091041	WR	WR	2	6/1/2008	6/1/2038	10/1/2011	9/30/2041			0	08SP

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

MIDW	AG2-2006-106	1090964	WR	WR	35	1/1/2007	1/1/2012	10/1/2011	9/30/2016	10/1/2007	9/30/2012 [1]	0	06WP
MIDW	AG2-2006-106	1090965	WR	WR	10	1/1/2007	1/1/2012	10/1/2011	9/30/2016	10/1/2007	9/30/2012 [1]	0	06WP
MIDW	AG2-2006-107	1090817	WR	WR	25	6/1/2007	6/1/2017	10/1/2011	10/1/2021	10/1/2007	9/30/2017 [1]	0	07SH
MIDW	AG2-2006-108	1090826	WR	WR	40	6/1/2008	6/1/2028	10/1/2011	10/1/2031	6/1/2008	6/1/2028 [1]	0	11SP
MIDW	AG2-2006-108	1090829	WR	WR	15	6/1/2008	6/1/2028	10/1/2011	10/1/2031			0	11SP
MIDW	AG2-2006-108	1090839	WR	WR	40	6/1/2008	6/1/2018	10/1/2011	10/1/2021	6/1/2008	6/1/2018 [1]	0	11SP
MIDW	AG2-2006-108	1090841	WR	WR	40	6/1/2008	6/1/2018	10/1/2011	10/1/2021	6/1/2008	6/1/2018 [1]	0	11SP
MIDW	AG2-2006-108	1090844	WR	WR	10	6/1/2008	6/1/2028	10/1/2011	10/1/2031	6/1/2008	6/1/2028 [1]	0	11SP
MIDW	AG2-2006-108	1090852	WR	WR	10	6/1/2008	6/1/2018	10/1/2011	10/1/2021	6/1/2008	6/1/2018 [1]	0	11SP
MIDW	AG2-2006-108	1090853	WR	WR	19	6/1/2008	6/1/2018	10/1/2011	10/1/2021	6/1/2008	6/1/2018 [1]	0	11SP
MIDW	AG2-2006-108	1090854	WR	WR	6	6/1/2008	6/1/2018	10/1/2011	10/1/2021	6/1/2008	6/1/2018 [1]	0	11SP
MIDW	AG2-2006-108	1091057	WR	WR	10	6/1/2008	6/1/2018	10/1/2011	10/1/2021	6/1/2008	6/1/2018 [1]	0	11SP
MIDW	AG2-2006-118	1090959	SECI	WR	75	6/1/2011	6/1/2041					0	11SP
OGE	AG2-2006-035	1087908	OKGE	EES	10	12/1/2006	12/1/2011	6/1/2009	6/1/2014			0	08SP
SEPC	AG2-2006-043	1090236	SECI	WPEK	150	6/1/2011	6/1/2041					0	11SP
SPSM	AG2-2006-074	1090699	WPEK	KCPL	50	10/1/2006	10/1/2007	10/1/2007	9/30/2008			0	06WP
SPSM	AG2-2006-124	1090705	WPEK	KCPL	50	10/1/2006	10/1/2007	10/1/2007	9/30/2008			0	06WP
UCU	AG2-2006-006	1052923	KCPL	MPS	160	6/1/2010	6/1/2030					0	11SP
WRGS	AG2-2006-016	1076158	KCPL	AMRN	20	6/1/2010	6/1/2015					0	11WP
WRGS	AG2-2006-030	1086655	OKGE	WR	225	10/1/2006	10/1/2026	10/1/2011	10/1/2031	6/1/2008	6/1/2028 [1]	0	11SP
WRGS	AG2-2006-030	1086656	OKGE	WR	75	10/1/2006	10/1/2026	10/1/2011	10/1/2031	6/1/2008	6/1/2028 [1]	0	11SP

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 April Minimum, 2007 Summer Shoulder, and

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	1Letter of Credit Amount Required	2Potential Base Plan Engineering and Construction Funding Allowable	NOTE	3Additional Engineering and Construction Cost for 3rd Party Upgrades	3Total Revenue Requirements for Assigned Upgrades over term of reservation without displacement of Base Plan upgrades	15 Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	15 Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	4Total Cost of Reservation Assignable to Customer contingent upon base plan funding
AEPM	AG2-2006-024	1086238	$ 7,600,437	$ 5,062,565	$ 360,000		$ -	$ 27,192,163	$ 20,037,350	$ 18,988,567	$ -	$ 18,988,567
AEPM	AG2-2006-033	1087745	$ 34,264,172	$ -	$ -		$ -	$ 59,628,493	$ 59,628,493	$ 59,628,493	$ -	$ 59,628,493
AEPM	AG2-2006-034	1087757	$ 27,197,955	$ -	$ 27,197,955		$ -	$ 104,422,042	$ 104,422,042	$ -	$ -	Sch 9 charges
APM	AG2-2006-031	1087085	$ -	$ -	$ -		$ -	$ -		$ -	$ -	Sch 9 charges
GSEC	AG2-2006-054	1090270	$ 1,541,380	$ 1,761,380	$ -		$ -	$ 10,316,608	$ 7,812,456	$ 7,812,456	$ -	$ 7,812,456
GSEC	AG2-2006-056	1090288	$ 63,866,163	$ 63,866,163	$ 63,866,163		$ -	$ 763,808,833	$ 309,477,304	$ -	$ -	Sch 9 charges
GSEC	AG2-2006-126	1090298	$ 1,841,637	$ 1,841,637	$ -		$ -	$ 7,647,012	$ 5,134,769	$ 5,134,769	$ -	$ 5,134,769
GSEC	AG2-2006-127	1090301	$ 12,031,247	$ 12,031,247	$ -		$ -	$ 48,801,815	$ 38,568,567	$ 38,568,567	$ -	$ 38,568,567
GSEC	AG2-2006-128	1090310	$ 5,683,086	$ 5,683,086	$ -		$ -	$ 40,457,037	$ 27,822,621	$ 27,822,621	$ -	$ 27,822,621
GSEC	AG2-2006-129	1090315	$ 5,181,138	$ 5,181,138	$ -		$ -	$ 34,551,081	$ 25,735,289	$ 25,735,289	$ -	$ 25,735,289
GSEC	AG2-2006-130	1090320	$ 1,223,916	$ 1,223,916	$ -		$ -	$ 13,040,173	$ 5,764,037	$ 5,764,037	$ -	$ 5,764,037
GSEC	AG2-2006-131	1090322	$ 1,358,896	$ 1,358,896	$ -		$ -	$ 12,429,814	$ 5,398,058	$ 5,398,058	$ -	$ 5,398,058
GSEC	AG2-2006-132	1090454	$ 1,134,629	$ 1,134,629	$ -		$ -	$ 5,657,885	$ 4,183,537	$ 4,183,537	$ -	$ 4,183,537
GSEC	AG2-2006-133	1090487	$ 11,029,654	$ 11,029,654	$ 11,029,654		$ -	$ 40,047,270	$ 29,109,368	$ -	$ -	Sch 9 charges
GSEC	AG2-2006-134	1090324	$ 1,742,184	$ 1,742,184	$ -		$ -	$ 20,824,919	$ 9,595,057	$ 9,595,057	$ -	$ 9,595,057
GSEC	AG2-2006-135	1090328	$ 1,742,184	$ 1,742,184	$ -		$ -	$ 26,435,219	$ 12,205,990	$ 12,205,990	$ -	$ 12,205,990
GSEC	AG2-2006-136	1090456	$ 3,133,743	$ 3,133,743	$ -		$ -	$ 21,803,697	$ 15,154,555	$ 15,154,554	$ -	$ 15,154,554
KEPC	AG2-2006-067	1090416	$ 1,580,917	$ 1,590,930	$ 1,580,917		$ -	$ 6,305,472	$ 6,305,472	$ -	$ -	Sch 9 charges
KMEA	AG2-2006-065	1090401	$ 2,386,149	$ 2,386,149	$ 180,000	16	$ -	$ 5,366,651	$ 5,366,651	$ 4,997,870	$ -	$ 4,997,870
KMEA	AG2-2006-065	1090528	$ 2,386,149	$ 2,386,149	$ 180,000	16	$ -	$ 5,366,651	$ 5,366,651	$ 4,997,870	$ -	$ 4,997,870
KMEA	AG2-2006-084	1090548	$ 2,372,969	$ 2,372,969	$ 180,000	16	$ -	$ 4,856,672	$ 4,856,672	$ 4,521,248	$ -	$ 4,521,248
MIDW	AG2-2006-047	1090244	$ 42,837	$ 42,837	$ -	11, 16	$ -	$ 695,833	$ 401,757	$ 401,757	$ -	$ 401,757
MIDW	AG2-2006-050	1090329	$ 3,065,744	$ 3,065,744	$ -	8	$ -	$ 20,596,492	$ 15,320,403	$ 15,320,403	$ -	$ 15,320,403
MIDW	AG2-2006-050	1090331	$ 766,445	$ 766,445	$ -	8	$ -	$ 5,149,185	$ 3,830,135	$ 3,830,135	$ -	$ 3,830,135
MIDW	AG2-2006-050	1090332	$ 4,172,823	$ 4,172,823	$ -	8	$ -	$ 28,034,072	$ 20,852,796	$ 20,852,796	$ -	$ 20,852,796
MIDW	AG2-2006-050	1090334	$ 936,744	$ 936,744	$ -	8	$ -	$ 6,293,265	$ 4,681,196	$ 4,681,196	$ -	$ 4,681,196
MIDW	AG2-2006-051	1090325	$ 2,042,547	$ 2,042,547	$ -	7	$ -	$ 13,479,788	$ 9,995,505	$ 9,995,505	$ -	$ 9,995,505
MIDW	AG2-2006-051	1090327	$ 510,638	$ 510,638	$ -	7	$ -	$ 3,370,026	$ 2,498,860	$ 2,498,860	$ -	$ 2,498,860
MIDW	AG2-2006-052	1090245	$ 407,663	$ 407,663	$ -	10	$ -	$ 1,965,575	$ 1,155,206	$ 1,155,206	$ -	$ 1,155,206
MIDW	AG2-2006-058	1090377	$ 9,010,245	$ 9,010,245	$ -		$ -	$ 54,962,785	$ 45,972,450	$ 45,972,450	$ -	$ 45,972,450
MIDW	AG2-2006-058	1090378	$ 2,252,557	$ 2,252,557	$ -		$ -	$ 13,740,721	$ 11,493,095	$ 11,493,095	$ -	$ 11,493,095
MIDW	AG2-2006-058	1090382	$ 4,505,122	$ 4,505,122	$ -		$ -	$ 27,481,398	$ 22,986,225	$ 22,986,225	$ -	$ 22,986,225
MIDW	AG2-2006-058	1090383	$ 1,126,294	$ 1,126,294	$ -		$ -	$ 6,870,451	$ 5,746,641	$ 5,746,641	$ -	$ 5,746,641
MIDW	AG2-2006-059	1090388	$ 1,051,440	$ 1,051,440	$ -	5	$ -	$ 5,306,104	$ 4,914,200	$ 4,914,200	$ -	$ 4,914,200
MIDW	AG2-2006-059	1090390	$ 450,709	$ 450,709	$ -	5	$ -	$ 2,274,436	$ 2,106,506	$ 2,106,506	$ -	$ 2,106,506
MIDW	AG2-2006-060	1090392	$ 136,689	$ 136,689	$ -	11	$ -	$ 641,469	$ 641,469	$ 641,469	$ -	$ 641,469
MIDW	AG2-2006-060	1090394	$ 136,689	$ 136,689	$ -	11	$ -	$ 641,469	$ 641,469	$ 641,469	$ -	$ 641,469
MIDW	AG2-2006-061	1090396	$ 385,930	$ 385,930	$ -	9	$ -	$ 2,093,777	$ 1,953,035	$ 1,953,035	$ -	$ 1,953,035
MIDW	AG2-2006-061	1090399	$ 192,920	$ 192,920	$ -	9	$ -	$ 1,046,711	$ 976,286	$ 976,286	$ -	$ 976,286
MIDW	AG2-2006-096	1091026	$ 51,924	$ 51,924	$ -	6	$ -	$ 889,779	$ 255,606	$ 255,606	$ -	$ 255,606
MIDW	AG2-2006-096	1091027	$ 121,207	$ 121,207	$ -	6	$ -	$ 2,076,769	$ 596,683	$ 596,683	$ -	$ 596,683
MIDW	AG2-2006-096	1091032	$ 173,121	$ 173,121	$ -	6	$ -	$ 2,966,502	$ 852,225	$ 852,225	$ -	$ 852,225
MIDW	AG2-2006-096	1091066	$ 356,618	$ 356,618	$ -	6	$ -	$ 3,323,498	$ 846,713	$ 846,713	$ -	$ 846,713
MIDW	AG2-2006-097	1090917	$ 229,429	$ 229,429	$ -	7	$ -	$ 1,265,574	$ 1,135,311	$ 1,135,311	$ -	$ 1,135,311
MIDW	AG2-2006-097	1090919	$ 57,379	$ 57,379	$ -	7	$ -	$ 316,531	$ 283,906	$ 283,906	$ -	$ 283,906
MIDW	AG2-2006-097	1090920	$ 458,858	$ 458,858	$ -	7	$ -	$ 2,531,145	$ 2,270,623	$ 2,270,623	$ -	$ 2,270,623
MIDW	AG2-2006-097	1090921	$ 114,713	$ 114,713	$ -	7	$ -	$ 632,763	$ 567,651	$ 567,651	$ -	$ 567,651
MIDW	AG2-2006-097	1090922	$ 585,672	$ 585,672	$ -	7	$ -	$ 3,017,286	$ 3,017,286	$ 3,017,286	$ -	$ 3,017,286
MIDW	AG2-2006-097	1090934	$ 688,286	$ 688,286	$ -	7	$ -	$ 3,796,719	$ 3,405,934	$ 3,405,934	$ -	$ 3,405,934
MIDW	AG2-2006-097	1090935	$ 172,051	$ 172,051	$ -	7	$ -	$ 949,034	$ 851,411	$ 851,411	$ -	$ 851,411
MIDW	AG2-2006-098	1090958	$ 193,915	$ 193,915	$ -	11	$ -	$ 1,841,456	$ 1,266,876	$ 1,266,876	$ -	$ 1,266,876
MIDW	AG2-2006-098	1091043	$ 64,624	$ 64,624	$ -	10	$ -	$ 613,621	$ 422,215	$ 422,215	$ -	$ 422,215
MIDW	AG2-2006-098	1091044	$ 129,291	$ 129,291	$ -	10	$ -	$ 1,227,809	$ 844,666	$ 844,666	$ -	$ 844,666
MIDW	AG2-2006-099	1091034	$ 17,789	$ 17,789	$ -	12, 16	$ -	$ 601,840	$ 387,945	$ 387,945	$ -	$ 387,945
MIDW	AG2-2006-099	1091035	$ 17,789	$ 17,789	$ -	12, 16	$ -	$ 601,840	$ 387,945	$ 387,945	$ -	$ 387,945
MIDW	AG2-2006-099	1091041	$ 35,618	$ 35,618	$ -	12, 16	$ -	$ 1,204,284	$ 776,364	$ 776,364	$ -	$ 776,364
MIDW	AG2-2006-106	1090964	$ 1,350,287	$ 1,350,287	$ 1,350,287		$ -	$ 5,645,786	$ 2,865,462	$ -	$ -	Sch 9 charges
MIDW	AG2-2006-106	1090965	$ 385,812	$ 385,812	$ 385,812		$ -	$ 1,613,107	$ 818,761	$ -	$ -	Sch 9 charges
MIDW	AG2-2006-107	1090817	$ 964,540	$ 964,540	$ -	13	$ -	$ 4,683,035	$ 2,420,171	$ 2,420,171	$ -	$ 2,420,171
MIDW	AG2-2006-108	1090826	$ 1,543,334	$ 1,543,334	$ -	7	$ -	$ 10,300,459	$ 5,506,704	$ 5,506,704	$ -	$ 5,506,704
MIDW	AG2-2006-108	1090829	$ 579,579	$ 579,579	$ -	7	$ -	$ 4,827,515	$ 2,649,890	$ 2,649,890	$ -	$ 2,649,890
MIDW	AG2-2006-108	1090839	$ 1,543,334	$ 1,543,334	$ -	7	$ -	$ 7,828,209	$ 4,068,296	$ 4,068,296	$ -	$ 4,068,296
MIDW	AG2-2006-108	1090841	$ 1,543,334	$ 1,543,334	$ -	7	$ -	$ 7,828,209	$ 4,068,296	$ 4,068,296	$ -	$ 4,068,296
MIDW	AG2-2006-108	1090844	$ 385,812	$ 385,812	$ -	7	$ -	$ 2,575,011	$ 1,376,619	$ 1,376,619	$ -	$ 1,376,619
MIDW	AG2-2006-108	1090852	$ 385,812	$ 385,812	$ -	7	$ -	$ 1,956,977	$ 1,017,033	$ 1,017,033	$ -	$ 1,017,033
MIDW	AG2-2006-108	1090853	$ 733,087	$ 733,087	$ -	7	$ -	$ 3,718,432	$ 1,932,459	$ 1,932,459	$ -	$ 1,932,459
MIDW	AG2-2006-108	1090854	$ 231,529	$ 231,529	$ -	7	$ -	$ 1,174,294	$ 610,322	$ 610,322	$ -	$ 610,322
MIDW	AG2-2006-108	1091057	$ 385,812	$ 385,812	$ -	7	$ -	$ 1,956,977	$ 1,017,033	$ 1,017,033	$ -	$ 1,017,033
MIDW	AG2-2006-118	1090959	$ 6,260,112	$ 6,260,112	$ -		$ -	$ 53,706,459	$ 37,996,074	$ 37,996,074	$ -	$ 37,996,074
OGE	AG2-2006-035	1087908	$ 9,818,793	$ 688,999	$ -		$ -	$ 20,693,805	$ 19,565,863	$ 19,565,863	$ 540,000	$ 19,565,863
SEPC	AG2-2006-043	1090236	$ 15,785,724	$ 15,522,470	$ -		$ -	$ 126,425,335	$ 96,401,693	$ 96,401,693	$ 52,812,000	$ 96,401,693
SPSM	AG2-2006-074	1090699	$ 328,249	$ -	$ -	16	$ -	$ 1,388,326	$ 555,590	$ 555,590	$ 528,000	$ 555,590
SPSM	AG2-2006-124	1090705	$ 328,249	$ -	$ -	16	$ -	$ 1,388,326	$ 555,590	$ 555,590	$ 528,000	$ 555,590
UCU	AG2-2006-006	1052923	$ 3,342,180	$ 3,342,180	$ 3,342,180	14	$ -	$ 13,285,298	$ 13,285,298	$ -	$ 61,862,400	$ 61,862,400
WRGS	AG2-2006-016	1076158	$ 361,167	$ 369,615	$ -		$ -	$ 834,001	$ 834,001	$ 834,001	$ 1,080,000	$ 1,080,000
WRGS	AG2-2006-030	1086655	$ 53,040,778	$ 22,084,922	$ 40,500,000		$ -	$ 196,120,884	$ 178,816,183	$ 42,240,470	$ -	$ 42,240,470

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

WRGS	AG2-2006-030	1086656	$ 17,680,206	$ 7,361,626	$ 13,500,000	$ -	$ 65,373,420	$ 59,605,210	$ 14,079,975	$ -	$ 14,079,975
Totals			$ 340,938,657		$ 59,078,279		$ 2,014,783,377	$ 1,128,160,192	$ 661,741,655		

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 owner plus network upgrades for assigned upgrades less that $100,000 which are base plan funded but still require a letter of credit.

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 funding is contingent upon verification of customer agreements meeting Attachment J, Section II B criteria. Not applicable if PTP base rate exceeds revenue requirements.

Note 3. Revenue requirements for comparison if Base Plan upgrades were not displaced by Requested 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 determined after verification of designated resource meeting Attachment J, Section II B Criteria. Additionally E & C of 3rd Party upgrades is assignable to Customer. Revenue requirements for 3rd Party facilities are not calculated. Total cost to customer is based on assumption of Revenue Requirements with confirmation of base plan funding. Customer is responsible for negotiating redispatch costs if applicable. Customer is also responsible to pay credits for previously assigned upgrades that are impacted by their request. Credits required will be determined at a later date.

Note 5: 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 6: 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 7: 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 102MW.

Note 8: 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 9: 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 10: 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 11: 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 12: 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 13: Midwest has up to 425MW of resources allowable for base funding for year 2007 based on 332MW load.

Note 14: UCU has up to 161MW of resources in 2010 allowable for base funding for year 2010.

Note 15: Revenue Requirements are based upon deferred end dates if applicable. Deferred dates are based upon customer's choice to pursue redispatch. Achievable Base Plan Avoided Revenue Requirements in the case of a Base Plan upgrade being displaced by an earlier in service date for a Requested Upgrade shall be determined per Attachment J, Section VII.C methodology. Assumption of a 40 year service life is utilized for Base Plan funded projects unless provided otherwise by the Transmission Owner. A present worth analysis of revenue requirements on a common year basis between the Base Plan and Requested Upgrades was performed to determine avoided Base Plan revenue requirements due to the displacement of the Base Plan upgrade by the Requested Upgrade. The difference in present worth between the Base Plan and Requested Upgrades is assigned to the transmission requests impacting this upgrade based on the displacement.

Note 16: Revenue Requirements include expediting the previously assigned projects College-Craig 161kv from 6/1/2016 to 6/1/2011and Stranger Creek- Northwest Leavenworth from 6/1/2010 to 6/1/2009.

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

Customer AEPM
Study Number AG2-2006-024

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1086238	WFEC	CSWS	16	7/1/2007	7/1/2027	2/1/2010	2/1/2030	$ 360,000	$ -	$ 7,600,437	$ 20,037,350
									$ 360,000	$ -	$ 7,600,437	$ 20,037,350

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1086238	FT SUPPLY - WOODWARD 69KV CKT 1	10/1/2007	2/1/2009		Yes	$ 3,800,000	$ 3,800,000	$ 8,507,326
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 1,079,627	$ 94,396,814	$ 2,719,044
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 3,811	$ 2,500,000	$ 8,847
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 23,221	$ 5,000,000	$ 53,902
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 103,255	$ 43,000,000	$ 305,774
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 43,021	$ 29,000,000	$ 99,866
	SW SHREVEPORT EXPANSION	6/1/2007	2/1/2010		Yes	$ 1,702,531	$ 40,000,000	$ 5,580,356
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 8,494	$ 24,875,000	$ 21,393
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,135	$ 10,318,679	$ 2,859
	Wallace Lake - RedPoint 138kV	6/1/2007	2/1/2010		Yes	$ 835,341	$ 24,000,000	$ 2,737,983
					Total	$ 7,600,437	$ 276,890,493	$ 20,037,350

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 Required and Available
1086238	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes
	WOODWARD - WOODWARD 69KV CKT 1	6/1/2007	10/1/2008		Yes

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

Reservation	Upgrade Name	COD	EOC
1086238	FT SUPPLY 138/69KV TRANSFORMER CKT 1	12/1/2006	6/1/2008
	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2006	4/1/2008
	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	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 Required and Available
1086238	ALUMAX TAP - BANN 138KV CKT 1	6/1/2007	6/1/2008		Yes
	FT SUPPLY 138/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008		Yes
	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2007	6/1/2009		Yes

Customer AEPM
Study Number AG2-2006-033

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1087745	EES	CSWS	225	1/1/2007	1/1/2010	2/1/2010	2/1/2013	$ -	$ -	$ 34,264,172	$ 59,628,493
									$ -	$ -	$ 34,264,172	$ 59,628,493

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1087745	SW SHREVEPORT EXPANSION	6/1/2007	2/1/2010		Yes	$ 20,206,448	$ 40,000,000	$ 35,164,429
	Wallace Lake - RedPoint 138kV	6/1/2007	2/1/2010		Yes	$ 14,057,724	$ 24,000,000	$ 24,464,064
					Total	$ 34,264,172	$ 64,000,000	$ 59,628,493

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

Reservation	Upgrade Name	COD	EOC
1087745	FULTON - HOPE 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 AEPM
Study Number AG2-2006-034

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1087757	CSWS	CSWS	172	6/1/2008	6/1/2028	2/1/2010	2/1/2030	$ 27,197,955	$ -	$ 27,197,955	$ 104,422,042
									$ 27,197,955	$ -	$ 27,197,955	$ 104,422,042

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1087757	SW SHREVEPORT EXPANSION	6/1/2007	2/1/2010		Yes	$ 18,091,021	$ 40,000,000	$ 69,457,478
	Wallace Lake - RedPoint 138kV	6/1/2007	2/1/2010		Yes	$ 9,106,934	$ 24,000,000	$ 34,964,564
					Total	$ 27,197,955	$ 64,000,000	$ 104,422,042

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 Required and 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	6/1/2008	10/1/2007	No
	Siloam Springs - South Fayetteville 161 kV	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	COD	EOC
1087757	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2016	6/1/2016
	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV CKT 1	12/1/2006	12/1/2006
	EAST CENTRAL HENRYETTA - WELEETKA 138KV CKT 1	6/1/2007	6/1/2007
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009

Customer APM
Study Number AG2-2006-031

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
APM	1087085	AECI	OKGE	3	12/1/2006	12/1/2007	12/1/2006	12/1/2007	$ -	$ -		
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1087085	None					$ -	$ -	
					Total	$ -	$ -	$ -

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

Customer	Study Number
GSEC	AG2-2006-054

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090270	CSWS	CSWS	10	10/1/2006	10/1/2036	10/1/2011	10/1/2041	$ -	$ -	$ 1,761,380	$ 7,812,456
									$ -	$ -	$ 1,761,380	$ 7,812,456

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090270	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2014	6/1/2014			$ 50,000	$ 50,000	$ -
	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 25,216	$ 2,500,000	$ 155,137
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2010	6/1/2010			$ 7,025	$ 500,000	$ 37,750
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2010	6/1/2010			$ 42,147	$ 3,000,000	$ 228,143
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 547	$ 1,515,113	$ 3,261
	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	$ 83,618	$ 14,795,676	$ 494,299
	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	6/1/2014	6/1/2014			$ 100,000	$ 100,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 334,908	$ 94,396,814	$ 1,564,247
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,182	$ 2,500,000	$ 3,937
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,209	$ 5,000,000	$ 7,356
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 1,231	$ 3,200,000	$ 7,338
	Sooner to Rose Hill 345 kV OKGE	6/1/2011	6/1/2011			$ 95,049	$ 27,500,000	$ 605,103
	Sooner to Rose Hill 345 kV WERE	6/1/2011	6/1/2011			$ 95,049	$ 27,500,000	$ 487,814
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 4,891	$ 43,000,000	$ 23,164
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 2,038	$ 29,000,000	$ 6,787
	THOMAS TAP - WEATHERFORD 69KV CKT 1	6/1/2013	6/1/2013			$ 550,000	$ 550,000	$ 2,453,893
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 92,563	$ 24,875,000	$ 432,332
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 12,935	$ 10,318,679	$ 60,416
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		No	$ 190,772	$ 42,000,000	$ 1,241,479
					Total	$ 1,761,380	$ 332,371,282	$ 7,812,456

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 Required and Available
1090270	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CLINTON CITY - THOMAS TAP 69KV CKT 1	6/1/2015	6/1/2015		
	ELK CITY - ELK CITY 69KV CKT 1 AEPW	6/1/2007	2/1/2008		No
	GYPSUM - RUSSELL 69KV CKT 1	6/1/2014	6/1/2014		
	SNYDER AEPW- SNYDER WFEC INTERCONNECTION	6/1/2015	6/1/2015		
	WEATHERFORD SOUTHEAST (WTH_SE) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	1/1/2008	10/1/2007	

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

Reservation	Upgrade Name	COD	EOC
1090270	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2016	6/1/2016
	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV CKT 1	12/1/2006	12/1/2006
	EAST CENTRAL HENRYETTA - WELEETKA 138KV CKT 1	6/1/2007	6/1/2007
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009
	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2006	4/1/2008

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090270	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2011	6/1/2008		
	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2007	6/1/2009		No

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Sta	Redispatch Required and Available
1090270	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No

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

Customer	Study Number
GSEC	AG2-2006-056

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090288	SECI	SPS	400	6/1/2011	6/1/2041	6/1/2011	6/1/2041	$ 63,866,163	$ -	$ 63,866,163	$ 309,477,304
									$ 63,866,163	$ -	$ 63,866,163	$ 309,477,304

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090288	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 34,578	$ 2,500,000	$ 206,401
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 189,941	$ 1,515,113	$ 1,102,391
	Hart Interchange 115/69 kV	6/1/2016	6/1/2016			$ 1,593,143	$ 3,500,000	$ 5,384,954
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 7,813,558	$ 14,795,676	$ 44,965,393
	LEA COUNTY INTERCHANGE 230KV CAPACITORS	4/1/2008	4/1/2008			$ 1,381,023	$ 1,381,023	$ 7,485,431
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 35,527,692	$ 94,396,814	$ 161,542,366
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 125,417	$ 2,500,000	$ 411,717
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 52,751	$ 5,000,000	$ 173,172
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 8,461,766	$ 38,504,390	$ 49,110,802
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 474,601	$ 3,200,000	$ 2,754,512
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 2,327,811	$ 43,000,000	$ 10,812,573
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 969,881	$ 29,000,000	$ 3,183,917
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 3,469,016	$ 24,875,000	$ 15,773,417
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,444,984	$ 10,318,679	$ 6,570,258
					Total	$ 63,866,163	$ 274,486,695	$ 309,477,304

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 Required and 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	6/1/2015	6/1/2015		
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No
	HALE CO INTERCHANGE - LH-COX3 115KV CKT 1	6/1/2015	6/1/2015		
	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
	SNYDER AEPW- SNYDER WFEC INTERCONNECTION	6/1/2015	6/1/2015		
	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 Required and Available
1090288	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2011	6/1/2008		
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090288	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		No
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No

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

Customer GSEC
Study Number AG2-2006-126

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090298	SPS	SPS	15	10/1/2007	10/1/2037	6/1/2010	6/1/2040	$ -	$ -	$ 1,841,637	$ 5,134,769
									$ -	$ -	$ 1,841,637	$ 5,134,769

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and 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		Yes	$ 5,608	$ 1,515,113	$ 24,239
	Hart Interchange 115/69 kV	6/1/2016	6/1/2016			$ 1,329,619	$ 3,500,000	$ 3,347,175
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 154,419	$ 94,396,814	$ 522,930
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 545	$ 2,500,000	$ 1,528
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 339	$ 5,000,000	$ 951
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		Yes	$ 37,755	$ 38,504,390	$ 163,198
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		Yes	$ 13,711	$ 3,200,000	$ 59,267
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 6,131	$ 43,000,000	$ 23,017
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 2,555	$ 29,000,000	$ 7,160
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 269,206	$ 24,875,000	$ 911,652
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 21,749	$ 10,318,679	$ 73,652
					Total	$ 1,841,637	$ 255,809,996	$ 5,134,769

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 Required and Available
1090298	HART 69 kV Capacitor	6/1/2008	6/1/2008		
	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 GSEC
Study Number AG2-2006-127

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090301	SPS	SPS	20	3/1/2007	3/1/2037	6/1/2010	6/1/2040	$ -	$ -	$ 12,031,247	$ 38,568,567
									$ -	$ -	$ 12,031,247	$ 38,568,567

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and 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	$ 33,464,678
	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	$ 87,169	$ 1,515,113	$ 359,457
	Hart Interchange 115/69 kV	6/1/2016	6/1/2016			$ 40,658	$ 3,500,000	$ 97,644
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 222,184	$ 94,396,814	$ 717,799
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 784	$ 2,500,000	$ 2,144
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 511	$ 5,000,000	$ 1,396
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		Yes	$ 448,760	$ 38,504,390	$ 1,850,550
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		Yes	$ 212,481	$ 3,200,000	$ 876,206
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 8,851	$ 43,000,000	$ 32,117
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 3,688	$ 29,000,000	$ 10,079
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 334,734	$ 24,875,000	$ 1,081,410
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 23,242	$ 10,318,679	$ 75,088
					Total	$ 12,031,247	$ 266,458,181	$ 38,568,567

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 Required and Available
1090301	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	AG2-2006-128

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090310	SPS	SPS	20	7/1/2007	7/1/2037	10/1/2011	10/1/2041	$ -	$ -	$ 5,683,086	$ 27,822,621
									$ -	$ -	$ 5,683,086	$ 27,822,621

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090310	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 428,894	$ 2,500,000	$ 2,338,807
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 1,297	$ 1,515,113	$ 6,949
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 862,213	$ 14,795,676	$ 4,578,877
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		No	$ 697,128	$ 6,837,000	$ 3,690,675
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 1,346,510	$ 94,396,814	$ 5,649,938
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 4,753	$ 2,500,000	$ 14,946
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 1,485	$ 5,000,000	$ 4,668
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 2,962	$ 3,200,000	$ 15,862
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 80,415	$ 43,000,000	$ 352,460
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 33,505	$ 29,000,000	$ 105,350
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No	$ 620,928	$ 2,401,645	$ 3,075,273
	TRI COUNTY PRAIRIE Interconnection #1	7/1/2007	7/1/2007			$ -	$ -	$ -
	TRI COUNTY PRAIRIE Interconnection #2	7/1/2007	6/1/2008		No	$ 585,840	$ 1,500,000	$ 3,063,491
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 592,101	$ 24,875,000	$ 2,484,447
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 40,929	$ 10,318,679	$ 171,738
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 384,128	$ 42,000,000	$ 2,269,139
					Total	$ 5,683,086	$ 283,839,927	$ 27,822,621

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 Required and Available
1090310	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	BOOKER 69KV	6/1/2016	6/1/2016		
	HART 69 kV Capacitor	6/1/2008	6/1/2008		
	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 Required and Available
1090310	HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1	6/1/2007	6/1/2008		Yes

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090310	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		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 Without Redispatch	Deferred Stop Date Without Redispatch	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	$ -	$ -	$ 5,181,138	$ 25,735,289
									$ -	$ -	$ 5,181,138	$ 25,735,289

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090315	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 56,156	$ 2,500,000	$ 306,225
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 1,994	$ 1,515,113	$ 10,679
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 1,048,759	$ 14,795,676	$ 5,569,550
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		No	$ 2,517,094	$ 6,837,000	$ 13,325,782
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 917,635	$ 94,396,814	$ 3,850,388
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 3,239	$ 2,500,000	$ 10,186
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 595	$ 5,000,000	$ 1,870
	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		Yes	$ 4,564	$ 3,200,000	$ 24,444
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 47,504	$ 43,000,000	$ 208,212
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 19,793	$ 29,000,000	$ 62,235
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 532,083	$ 24,875,000	$ 2,232,613
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 31,722	$ 10,318,679	$ 133,105
					Total	$ 5,181,138	$ 237,938,282	$ 25,735,289

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 Required and Available
1090315	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	BOOKER 69KV	6/1/2016	6/1/2016		
	HART 69 kV Capacitor	6/1/2008	6/1/2008		
	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		

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090315	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		Yes
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No

Customer GSEC
Study Number AG2-2006-130

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090320	SPS	SPS	25	3/1/2011	3/1/2041	3/1/2011	3/1/2041	$ -	$ -	$ 1,223,916	$ 5,764,037
									$ -	$ -	$ 1,223,916	$ 5,764,037

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and 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	$ 1,906	$ 1,515,113	$ 10,843
	Hart Interchange 115/69 kV	6/1/2016	6/1/2016			$ 829	$ 3,500,000	$ 2,746
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 236,633	$ 94,396,814	$ 1,054,393
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 835	$ 2,500,000	$ 2,713
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 529	$ 5,000,000	$ 1,717
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 141,688	$ 38,504,390	$ 805,853
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 5,487	$ 3,200,000	$ 31,208
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 9,336	$ 43,000,000	$ 42,735
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 3,890	$ 29,000,000	$ 12,631
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 644,761	$ 24,875,000	$ 2,872,933
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 64,952	$ 10,318,679	$ 289,412
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 113,070	$ 2,500,000	$ 636,854
					Total	$ 1,223,916	$ 258,309,996	$ 5,764,037

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 Required and Available
1090320	HART 69 kV Capacitor	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 AG2-2006-131

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090322	SPS	SPS	25	3/1/2009	3/1/2039	3/1/2009	3/1/2039	$ -	$ -	$ 1,358,896	$ 5,398,058
									$ -	$ -	$ 1,358,896	$ 5,398,058

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and 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		Yes	$ 2,067	$ 1,515,113	$ 10,009
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 4,236	$ 14,795,676	$ 20,342
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 285,945	$ 94,396,814	$ 1,084,946
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,009	$ 2,500,000	$ 3,007
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 625	$ 5,000,000	$ 1,863
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		Yes	$ 142,098	$ 38,504,390	$ 688,196
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		Yes	$ 5,788	$ 3,200,000	$ 28,034
	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			$ 11,375	$ 43,000,000	$ 46,359
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 4,739	$ 29,000,000	$ 14,119
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No	$ 3,366	$ 2,401,645	$ 15,075
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 737,969	$ 24,875,000	$ 2,800,040
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 79,614	$ 10,318,679	$ 302,076
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 80,063	$ 2,500,000	$ 383,993
					Total	$ 1,358,896	$ 272,007,317	$ 5,398,058

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 Required and Available
1090322	HART 69 kV Capacitor	6/1/2008	6/1/2008		

Customer GSEC
Study Number AG2-2006-132

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090454	SPS	SPS	5	10/1/2006	10/1/2036	6/1/2010	6/1/2040	$ -	$ -	$ 1,134,629	$ 4,183,537
									$ -	$ -	$ 1,134,629	$ 4,183,537

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090454	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 8,008	$ 2,500,000	$ 31,341
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 936	$ 1,515,113	$ 3,735
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 81,992	$ 14,795,676	$ 324,295
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		Yes	$ 683,818	$ 6,837,000	$ 2,696,235
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 197,245	$ 94,396,814	$ 616,403
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 696	$ 2,500,000	$ 1,869
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 404	$ 5,000,000	$ 1,084
	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		Yes	$ 2,205	$ 3,200,000	$ 8,796
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 8,038	$ 43,000,000	$ 28,474
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 3,349	$ 29,000,000	$ 8,991
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 140,446	$ 24,875,000	$ 438,903
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 7,491	$ 10,318,679	$ 23,411
					Total	$ 1,134,629	$ 237,938,282	$ 4,183,537

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 Required and Available
1090454	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	HART 69 kV Capacitor	6/1/2008	6/1/2008		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090454	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		Yes
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No

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

Customer	**Study Number**
GSEC	AG2-2006-133

Customer	**Reservation**	**POR**	**POD**	**Requested Amount**	**Requested Start Date**	**Requested Stop Date**	**Deferred Start Date Without Redispatch**	**Deferred Stop Date Without Redispatch**	**Potential Base Plan Funding Allowable**	**Point-to-Point Base Rate**	**Allocated E & C Cost**	**Total Revenue Requirements**
GSEC	1090487	SPS	SPS	150	4/1/2007	4/1/2017	6/1/2010	6/1/2020	$ 11,029,654	$ -	$ 11,029,654	$ 29,109,368
									$ 11,029,654	$ -	$ 11,029,654	$ 29,109,368

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and 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	$ 70,884	$ 1,515,113	$ 208,553
	Hart Interchange 115/69 kV	6/1/2016	6/1/2016			$ 532,594	$ 3,500,000	$ 912,590
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 910,411	$ 14,795,676	$ 2,655,945
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		Yes	$ 2,492,841	$ 6,837,000	$ 7,249,783
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 1,167,282	$ 94,396,814	$ 2,690,589
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 4,121	$ 2,500,000	$ 8,948
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 1,861	$ 5,000,000	$ 4,042
	Mustang-San Andr-Amerada Hess 115KV	4/1/2007	10/1/2008		Yes	$ 1,742,892	$ 1,742,892	$ 4,524,796
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		Yes	$ 161,053	$ 3,200,000	$ 473,845
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 51,309	$ 43,000,000	$ 140,363
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 21,378	$ 29,000,000	$ 46,424
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No	$ 209,793	$ 2,401,645	$ 570,782
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,540,877	$ 24,875,000	$ 3,551,725
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 185,381	$ 10,318,679	$ 427,303
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes	$ 1,936,979	$ 2,500,000	$ 5,643,681
					Total	$ 11,029,654	$ 245,582,819	$ 29,109,368

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 Required and Available
1090487	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	HART 69 kV Capacitor	6/1/2008	6/1/2008		
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		Yes
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	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 Required and Available
1090487	TERRY COUNTY INTERCHANGE 115/69KV TRANSFORMERS	6/1/2007	6/1/2007		

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090487	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		Yes

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

Customer GSEC
Study Number AG2-2006-134

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090324	SPS	SPS	25	3/1/2013	3/1/2043	3/1/2013	3/1/2043	$ -	$ -	$ 1,742,184	$ 9,595,057
									$ -	$ -	$ 1,742,184	$ 9,595,057

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and 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	$ 2,792	$ 1,515,113	$ 18,647
	Hart Interchange 115/69 kV	6/1/2016	6/1/2016			$ 1,579	$ 3,500,000	$ 6,143
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 231,977	$ 94,396,814	$ 1,213,966
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 819	$ 2,500,000	$ 2,899
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 515	$ 5,000,000	$ 1,823
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 150,929	$ 38,504,390	$ 1,008,166
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 8,109	$ 3,200,000	$ 54,163
	SOUTH PLAINS MILWAUKEE and SLIDE Interconnection	3/1/2013	3/1/2013			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 9,175	$ 43,000,000	$ 47,173
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 3,823	$ 29,000,000	$ 13,532
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,049,298	$ 24,875,000	$ 5,491,119
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 98,225	$ 10,318,679	$ 514,025
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 184,944	$ 2,500,000	$ 1,223,400
					Total	$ 1,742,184	$ 258,309,996	$ 9,595,057

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 Required and Available
1090324	HART 69 kV Capacitor	6/1/2008	6/1/2008		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2009		No

Customer GSEC
Study Number AG2-2006-135

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090328	SPS	SPS	25	3/1/2016	3/1/2046	3/1/2016	3/1/2046	$ -	$ -	$ 1,742,184	$ 12,205,989
									$ -	$ -	$ 1,742,184	$ 12,205,989

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and 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	$ 2,792	$ 1,515,113	$ 23,733
	Hart Interchange 115/69 kV	6/1/2016	6/1/2016			$ 1,579	$ 3,500,000	$ 7,818
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 231,977	$ 94,396,814	$ 1,545,104
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 819	$ 2,500,000	$ 3,299
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 515	$ 5,000,000	$ 2,075
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 150,929	$ 38,504,390	$ 1,283,167
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 8,109	$ 3,200,000	$ 68,938
	SOUTH PLAINS MILWAUKEE and SLIDE Interconnection	3/1/2013	3/1/2013			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 9,175	$ 43,000,000	$ 56,155
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 3,823	$ 29,000,000	$ 15,401
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,049,298	$ 24,875,000	$ 6,988,951
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 98,225	$ 10,318,679	$ 654,237
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 184,944	$ 2,500,000	$ 1,557,111
					Total	$ 1,742,184	$ 258,309,996	$ 12,205,989

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 Required and Available
1090328	HART 69 kV Capacitor	6/1/2008	6/1/2008		
	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	AG2-2006-136

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1090456	SPS	SPS	15	7/1/2007	7/1/2037	6/1/2010	6/1/2040	$ -	$ -	$ 3,133,743	$ 15,154,555
									$ -	$ -	$ 3,133,743	$ 15,154,555

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090456	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 87,912	$ 2,500,000	$ 479,394
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		Yes	$ 811	$ 1,515,113	$ 4,344
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 877,751	$ 14,795,676	$ 4,661,393
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		No	$ 446,118	$ 6,837,000	$ 2,361,800
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 692,361	$ 94,396,814	$ 2,905,139
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 2,444	$ 2,500,000	$ 7,685
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 483	$ 5,000,000	$ 1,519
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		Yes	$ 1,808	$ 3,200,000	$ 9,681
	SOUTH PLAINS WOLFFORTH Interconnection	3/1/2011	3/1/2011			$ -	$ -	$ -
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 39,178	$ 43,000,000	$ 171,720
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 16,324	$ 29,000,000	$ 51,327
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No	$ 576,856	$ 2,401,645	$ 2,856,998
	TRI COUNTY HILLER Interconnection	7/1/2007	7/1/2007			$ -	$ -	$ -
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 369,182	$ 24,875,000	$ 1,549,082
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 22,515	$ 10,318,679	$ 94,472
					Total	$ 3,133,743	$ 240,339,927	$ 15,154,555

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 Required and Available
1090456	BC-EARTH INTERCHANGE 115KV	6/1/2013	6/1/2013		
	BOOKER 69KV	6/1/2016	6/1/2016		
	HART 69 kV Capacitor	6/1/2008	6/1/2008		
	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 Required and Available
1090456	HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1	6/1/2007	6/1/2008		Yes

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090456	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		Yes

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

Customer	Study Number
KEPC	AG2-2006-067

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KEPC	1090416	KCPL	WR	30	6/1/2010	6/1/2030	10/1/2011	10/1/2031	$ 1,580,917	$ -	$ 1,590,930	$ 6,305,472
									$ 1,580,917	$ -	$ 1,590,930	$ 6,305,472

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090416	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2010	6/1/2010			$ 45,633	$ 500,000	$ 166,048
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2010	6/1/2010			$ 273,797	$ 3,000,000	$ 1,038,355
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ 420,313	$ 4,123,803	$ 1,670,761
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			$ 10,013	$ 100,000	$ -
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	6/1/2008	10/1/2007	No	$ 325,707	$ 4,000,000	$ 1,363,922
	Sooner to Rose Hill 345 kV OKGE	6/1/2011	6/1/2011			$ 212,248	$ 27,500,000	$ 888,439
	Sooner to Rose Hill 345 kV WERE	6/1/2011	6/1/2011			$ 212,248	$ 27,500,000	$ 763,180
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 90,971	$ 42,000,000	$ 414,767
					Total	$ 1,590,930	$ 108,723,803	$ 6,305,472

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 Required and Available
1090416	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2012	6/1/2009		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC
1090416	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2010	6/1/2010

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090416	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		

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

Customer	Study Number
KMEA	AG2-2006-065

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KMEA	1090401	GRDA	KCPL	1	5/1/2007	5/1/2026	10/1/2011	10/1/2030	$ 180,000	$ -	$ 2,386,149	$ 5,366,651
KMEA	1090528	GRDA	KCPL	1	5/1/2007	5/1/2026	10/1/2011	10/1/2030	$ 180,000	$ -	$ 2,386,149	$ 5,366,651
									$ 360,000	$ -	$ 4,772,298	$ 10,733,302

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090401	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2010	6/1/2010			$ 1,320	$ 500,000	$ 4,577
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2010	6/1/2010			$ 7,923	$ 3,000,000	$ 28,660
	COLLEGE - CRAIG 161KV CKT 1 EXPEDITE	6/1/2011	6/1/2011			$ -	$ 700,000	$ 358,310
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ 47	$ 4,123,803	$ 178
	Sooner to Rose Hill 345 kV OKGE	6/1/2011	6/1/2011			$ 30,173	$ 27,500,000	$ 120,359
	Sooner to Rose Hill 345 kV WERE	6/1/2011	6/1/2011			$ 30,173	$ 27,500,000	$ 103,485
	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1	6/1/2016	6/1/2016			$ 2,303,333	$ 6,910,000	$ 4,693,764
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		No	$ 13,180	$ 42,000,000	$ 57,318
					Total	$ 2,386,149	$ 112,233,803	$ 5,366,651
1090528	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2010	6/1/2010			$ 1,320	$ 500,000	$ 4,577
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2010	6/1/2010			$ 7,923	$ 3,000,000	$ 28,660
	COLLEGE - CRAIG 161KV CKT 1 EXPEDITE	6/1/2011	6/1/2011			$ -	$ 700,000	$ 358,310
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ 47	$ 4,123,803	$ 178
	Sooner to Rose Hill 345 kV OKGE	6/1/2011	6/1/2011			$ 30,173	$ 27,500,000	$ 120,359
	Sooner to Rose Hill 345 kV WERE	6/1/2011	6/1/2011			$ 30,173	$ 27,500,000	$ 103,485
	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1	6/1/2016	6/1/2016			$ 2,303,333	$ 6,910,000	$ 4,693,764
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		No	$ 13,180	$ 42,000,000	$ 57,318
					Total	$ 2,386,149	$ 112,233,803	$ 5,366,651

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 Required and Available
1090401	CROSSTOWN - NEAST 161KV CKT 1	6/1/2016	6/1/2016		
	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2008	6/1/2008		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	6/1/2009	10/1/2007	No
1090528	CROSSTOWN - NEAST 161KV CKT 1	6/1/2016	6/1/2016		
	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2008	6/1/2008		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	6/1/2009	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
1090401	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015
	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011
1090528	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015
	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV 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**
KMEA	AG2-2006-084

Customer	**Reservation**	**POR**	**POD**	**Requested Amount**	**Requested Start Date**	**Requested Stop Date**	**Deferred Start Date Without Redispatch**	**Deferred Stop Date Without Redispatch**	**Potential Base Plan Funding Allowable**	**Point-to-Point Base Rate**	**Allocated E & C Cost**	**Total Revenue Requirements**
KMEA	1090548	GRDA	KCPL	1	5/1/2010	5/1/2026	5/1/2010	5/1/2026	$ 180,000	$ -	$ 2,372,969	$ 4,856,672
									$ 180,000	$ -	$ 2,372,969	$ 4,856,672

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090548	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2010	6/1/2010			$ 1,320	$ 500,000	$ 4,207
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2010	6/1/2010			$ 7,923	$ 3,000,000	$ 26,633
	COLLEGE - CRAIG 161KV CKT 1 EXPEDITE	6/1/2011	6/1/2011			$ -	$ 700,000	$ 327,225
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ 47	$ 4,123,803	$ 163
	Sooner to Rose Hill 345 kV OKGE	6/1/2011	6/1/2011			$ 30,173	$ 27,500,000	$ 109,496
	Sooner to Rose Hill 345 kV WERE	6/1/2011	6/1/2011			$ 30,173	$ 27,500,000	$ 96,166
	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1	6/1/2016	6/1/2016			$ 2,303,333	$ 6,910,000	$ 4,292,783
					Total	$ 2,372,969	$ 70,233,803	$ 4,856,672

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 Required and Available
1090548	CROSSTOWN - NEAST 161KV CKT 1	6/1/2016	6/1/2016		
	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2008	6/1/2008		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	6/1/2009	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
1090548	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015
	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV 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	AG2-2006-047

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090244	WR	WR	2	6/1/2008	6/1/2013	10/1/2011	10/1/2016	$ -	$ -	$ 42,837	$ 401,757
									$ -	$ -	$ 42,837	$ 401,757

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090244	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 294	$ 2,500,000	$ 774
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 17	$ 1,515,113	$ 48
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 5,589	$ 14,795,676	$ 15,146
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 15,494	$ 94,396,814	$ 33,176
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 55	$ 2,500,000	$ 114
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 688	$ 5,000,000	$ 1,429
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 6,992	$ 38,504,390	$ 19,110
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 51	$ 3,200,000	$ 140
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 5,618	$ 43,000,000	$ 14,514
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 2,341	$ 29,000,000	$ 4,862
	STRANGER CREEK - NW LEAVENWORTH 115KV EXPEDITE	6/1/2008	6/1/2009		No	$ -	$ 4,000,000	$ 300,243
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 5,095	$ 24,875,000	$ 10,909
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 604	$ 10,318,679	$ 1,294
					Total	$ 42,837	$ 273,605,672	$ 401,757

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 Required and Available
1090244	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2011		
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		
	STRANGER CREEK (STRNGR1X) 345/115/14.4KV TRANSFORMER CKT 1	6/1/2010	6/1/2009		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No

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

Reservation	Upgrade Name	COD	EOC
1090244	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2010	6/1/2010

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090244	ST JOHN CAPACITOR	6/1/2008	6/1/2008		

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Sta	Redispatch Required and Available
1090244	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No
1090244	WICHITA - RENO 345KV	12/1/2006	10/1/2011		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 Without Redispatch	Deferred Stop Date Without Redispatch	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	10/1/2011	10/1/2036	$ -	$ -	$ 3,065,744	$ 15,320,403
MIDW	1090331	WR	WR	9	6/1/2010	6/1/2035	10/1/2011	10/1/2036	$ -	$ -	$ 766,445	$ 3,830,135
MIDW	1090332	WR	WR	49	6/1/2010	6/1/2035	10/1/2011	10/1/2036	$ -	$ -	$ 4,172,823	$ 20,852,796
MIDW	1090334	WR	WR	11	6/1/2010	6/1/2035	10/1/2011	10/1/2036	$ -	$ -	$ 936,744	$ 4,681,196
									$ -	$ -	$ 8,941,756	$ 44,684,530

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090329	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 63,124	$ 7,520,000	$ 343,188
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 241,770	$ 94,396,814	$ 888,649
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 853	$ 2,500,000	$ 2,460
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 9,448	$ 5,000,000	$ 27,232
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 79,541	$ 43,000,000	$ 312,895
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 33,141	$ 29,000,000	$ 95,522
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 59,996	$ 24,875,000	$ 220,521
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 7,081	$ 10,318,679	$ 26,025
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 2,570,790	$ 42,000,000	$ 13,403,911
					Total	$ 3,065,744	$ 258,610,493	$ 15,320,403
1090331	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 15,781	$ 7,520,000	$ 85,797
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 60,453	$ 94,396,814	$ 222,203
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 213	$ 2,500,000	$ 615
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,362	$ 5,000,000	$ 6,808
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 19,885	$ 43,000,000	$ 78,224
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 8,285	$ 29,000,000	$ 23,881
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 14,999	$ 24,875,000	$ 55,130
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,769	$ 10,318,679	$ 6,501
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 642,697	$ 42,000,000	$ 3,350,975
					Total	$ 766,445	$ 258,610,493	$ 3,830,135
1090332	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 85,906	$ 7,520,000	$ 467,048
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 329,076	$ 94,396,814	$ 1,209,554
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,162	$ 2,500,000	$ 3,348
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 12,860	$ 5,000,000	$ 37,066
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 108,264	$ 43,000,000	$ 425,880
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 45,108	$ 29,000,000	$ 130,015
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 81,664	$ 24,875,000	$ 300,163
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 9,635	$ 10,318,679	$ 35,416
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 3,499,149	$ 42,000,000	$ 18,244,306
					Total	$ 4,172,823	$ 258,610,493	$ 20,852,796
1090334	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 19,281	$ 7,520,000	$ 104,826
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 73,858	$ 94,396,814	$ 271,474
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 261	$ 2,500,000	$ 751
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,887	$ 5,000,000	$ 8,320
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 24,304	$ 43,000,000	$ 95,604
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 10,126	$ 29,000,000	$ 29,187
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 18,333	$ 24,875,000	$ 67,386
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 2,165	$ 10,318,679	$ 7,956
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 785,529	$ 42,000,000	$ 4,095,691
					Total	$ 936,744	$ 258,610,493	$ 4,681,196

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 Required and Available
1090329	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	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	6/1/2008	10/1/2007	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
1090331	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	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	6/1/2008	10/1/2007	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
1090332	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	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	6/1/2008	10/1/2007	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
1090334	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	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	6/1/2008	10/1/2007	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No

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

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 Required and Available
1090329	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
1090331	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
1090332	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
1090334	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090329	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090331	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090332	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090334	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		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 Without Redispatch	Deferred Stop Date Without Redispatch	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	10/1/2011	10/1/2041	$ -	$ -	$ 2,042,547	$ 9,995,505
MIDW	1090327	WR	WR	6	6/1/2008	6/1/2038	10/1/2011	10/1/2041	$ -	$ -	$ 510,638	$ 2,498,860
									$ -	$ -	$ 2,553,185	$ 12,494,365

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090325	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 40,787	$ 7,520,000	$ 213,061
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 161,165	$ 94,396,814	$ 575,843
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 569	$ 2,500,000	$ 1,641
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 6,298	$ 5,000,000	$ 18,168
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 53,026	$ 43,000,000	$ 206,931
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 22,093	$ 29,000,000	$ 63,730
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 40,001	$ 24,875,000	$ 142,924
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 4,719	$ 10,318,679	$ 16,862
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 1,713,888	$ 42,000,000	$ 8,756,344
					Total	$ 2,042,547	$ 258,610,493	$ 9,995,505
1090327	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 10,204	$ 7,520,000	$ 53,303
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 40,302	$ 94,396,814	$ 144,000
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 142	$ 2,500,000	$ 410
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 1,575	$ 5,000,000	$ 4,542
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 13,258	$ 43,000,000	$ 51,738
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 5,524	$ 29,000,000	$ 15,934
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 10,003	$ 24,875,000	$ 35,741
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,179	$ 10,318,679	$ 4,213
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 428,451	$ 42,000,000	$ 2,188,979
					Total	$ 510,638	$ 258,610,493	$ 2,498,860

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 Required and Available
1090325	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	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	6/1/2008	10/1/2007	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
1090327	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	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	6/1/2008	10/1/2007	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	6/1/2008	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 Required and Available
1090325	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1090327	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
	ST JOHN CAPACITOR	6/1/2008	6/1/2008		

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090325	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090327	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No

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

Customer	Study Number
MIDW	AG2-2006-052

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090245	WR	WR	6	6/1/2008	6/1/2013	10/1/2011	10/1/2016	$ -	$ -	$ 407,663	$ 1,155,206
									$ -	$ -	$ 407,663	$ 1,155,206

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090245	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 212	$ 2,500,000	$ 558
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 290,317	$ 7,520,000	$ 876,871
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 48	$ 1,515,113	$ 132
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 15,756	$ 14,795,676	$ 42,700
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 41,652	$ 94,396,814	$ 89,187
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 147	$ 2,500,000	$ 305
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 1,902	$ 5,000,000	$ 3,950
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 19,592	$ 38,504,390	$ 53,548
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 147	$ 3,200,000	$ 403
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 15,450	$ 43,000,000	$ 39,915
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 6,437	$ 29,000,000	$ 13,371
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 14,310	$ 24,875,000	$ 30,642
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,692	$ 10,318,679	$ 3,624
					Total	$ 407,663	$ 277,125,672	$ 1,155,206

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 Required and Available
1090245	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	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	6/1/2008	10/1/2007	No
	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 Required and Available
1090245	ST JOHN CAPACITOR	6/1/2008	6/1/2008		

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090245	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No
1090245	WICHITA - RENO 345KV	12/1/2006	10/1/2011		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 Without Redispatch	Deferred Stop Date Without Redispatch	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	10/1/2011	10/1/2041	$ -	$ -	$ 9,010,245	$ 45,972,450
MIDW	1090378	EES	WR	10	5/1/2010	5/1/2040	10/1/2011	10/1/2041	$ -	$ -	$ 2,252,557	$ 11,493,095
MIDW	1090382	EES	WR	20	5/1/2010	5/1/2040	10/1/2011	10/1/2041	$ -	$ -	$ 4,505,122	$ 22,986,225
MIDW	1090383	EES	WR	5	5/1/2010	5/1/2040	10/1/2011	10/1/2041	$ -	$ -	$ 1,126,294	$ 5,746,641
									$ -	$ -	$ 16,894,218	$ 86,198,411

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090377	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 21,714	$ 7,520,000	$ 134,882
	DANVILLE (APL) - MAGAZINE REC 161KV AEPW	6/1/2011	6/1/2011			$ 4,063,748	$ 9,000,000	$ 18,179,801
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 426,872	$ 94,396,814	$ 1,778,971
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,507	$ 2,500,000	$ 4,721
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 13,654	$ 5,000,000	$ 42,775
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 119,221	$ 43,000,000	$ 519,980
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 49,673	$ 29,000,000	$ 155,620
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 89,666	$ 24,875,000	$ 373,680
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 10,583	$ 10,318,679	$ 44,103
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 4,213,607	$ 42,000,000	$ 24,737,917
					Total	$ 9,010,245	$ 267,610,493	$ 45,972,450
1090378	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 5,428	$ 7,520,000	$ 33,717
	DANVILLE (APL) - MAGAZINE REC 161KV AEPW	6/1/2011	6/1/2011			$ 1,015,937	$ 9,000,000	$ 4,544,950
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 106,718	$ 94,396,814	$ 444,743
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 377	$ 2,500,000	$ 1,180
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 3,413	$ 5,000,000	$ 10,694
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 29,806	$ 43,000,000	$ 130,000
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 12,419	$ 29,000,000	$ 38,907
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 22,411	$ 24,875,000	$ 93,397
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 2,646	$ 10,318,679	$ 11,026
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 1,053,402	$ 42,000,000	$ 6,184,481
					Total	$ 2,252,557	$ 267,610,493	$ 11,493,095
1090382	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 10,857	$ 7,520,000	$ 67,441
	DANVILLE (APL) - MAGAZINE REC 161KV AEPW	6/1/2011	6/1/2011			$ 2,031,874	$ 9,000,000	$ 9,089,900
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 213,436	$ 94,396,814	$ 889,487
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 753	$ 2,500,000	$ 2,361
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 6,827	$ 5,000,000	$ 21,388
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 59,611	$ 43,000,000	$ 259,990
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 24,837	$ 29,000,000	$ 77,810
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 44,833	$ 24,875,000	$ 186,841
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 5,291	$ 10,318,679	$ 22,052
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 2,106,803	$ 42,000,000	$ 12,368,955
					Total	$ 4,505,122	$ 267,610,493	$ 22,986,225
1090383	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 2,729	$ 7,520,000	$ 16,952
	DANVILLE (APL) - MAGAZINE REC 161KV AEPW	6/1/2011	6/1/2011			$ 507,969	$ 9,000,000	$ 2,272,477
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 53,359	$ 94,396,814	$ 222,371
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 188	$ 2,500,000	$ 590
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 1,707	$ 5,000,000	$ 5,347
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 14,903	$ 43,000,000	$ 65,000
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 6,209	$ 29,000,000	$ 19,453
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 11,205	$ 24,875,000	$ 46,698
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,323	$ 10,318,679	$ 5,512
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 526,701	$ 42,000,000	$ 3,092,240
					Total	$ 1,126,294	$ 267,610,493	$ 5,746,641

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090377	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
1090378	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
1090382	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
1090383	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090377	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090378	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090382	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090383	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No

Customer MIDW
Study Number AG2-2006-059

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090388	EES	WR	7	5/1/2010	5/1/2040	5/1/2010	5/1/2040	$ -	$ -	$ 1,051,440	$ 4,914,200
MIDW	1090390	EES	WR	3	5/1/2010	5/1/2040	5/1/2010	5/1/2040	$ -	$ -	$ 450,709	$ 2,106,506
									$ -	$ -	$ 1,502,149	$ 7,020,706

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090388	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2010	6/1/2010			$ 3,417	$ 500,000	$ 16,336
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2010	6/1/2010			$ 20,501	$ 3,000,000	$ 100,115
	DANVILLE (APL) - MAGAZINE REC 161KV AEPW	6/1/2011	6/1/2011			$ 654,534	$ 9,000,000	$ 2,928,158
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 25,504	$ 94,396,814	$ 106,288
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 90	$ 2,500,000	$ 282
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 482	$ 5,000,000	$ 1,511
	Sooner to Rose Hill 345 kV OKGE	6/1/2011	6/1/2011			$ 168,025	$ 27,500,000	$ 939,404
	Sooner to Rose Hill 345 kV WERE	6/1/2011	6/1/2011			$ 168,025	$ 27,500,000	$ 777,974
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 4,785	$ 43,000,000	$ 20,872
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 1,994	$ 29,000,000	$ 6,246
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 3,651	$ 24,875,000	$ 15,216
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 431	$ 10,318,679	$ 1,796
					Total	$ 1,051,440	$ 276,590,493	$ 4,914,200
1090390	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2010	6/1/2010			$ 1,464	$ 500,000	$ 6,999
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2010	6/1/2010			$ 8,786	$ 3,000,000	$ 42,906
	DANVILLE (APL) - MAGAZINE REC 161KV AEPW	6/1/2011	6/1/2011			$ 280,604	$ 9,000,000	$ 1,255,325
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 10,924	$ 94,396,814	$ 45,527
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 39	$ 2,500,000	$ 121
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 207	$ 5,000,000	$ 648
	Sooner to Rose Hill 345 kV OKGE	6/1/2011	6/1/2011			$ 72,016	$ 27,500,000	$ 402,631
	Sooner to Rose Hill 345 kV WERE	6/1/2011	6/1/2011			$ 72,016	$ 27,500,000	$ 333,442
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 2,051	$ 43,000,000	$ 8,945
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 854	$ 29,000,000	$ 2,677
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,563	$ 24,875,000	$ 6,515
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 185	$ 10,318,679	$ 770
					Total	$ 450,709	$ 276,590,493	$ 2,106,506

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 Required and Available
1090388	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		
1090390	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC
1090388	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2010	6/1/2010
1090390	STRANGER CREEK - NW LEAVENWORTH 115KV	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	AG2-2006-060

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090392	EES	WR	1	5/1/2010	5/1/2040	5/1/2010	5/1/2040	$ -	$ -	$ 136,689	$ 641,469
MIDW	1090394	EES	WR	1	5/1/2010	5/1/2040	5/1/2010	5/1/2040	$ -	$ -	$ 136,689	$ 641,469
									$ -	$ -	$ 273,378	$ 1,282,938

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090392	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2010	6/1/2010			$ 494	$ 500,000	$ 2,362
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2010	6/1/2010			$ 2,966	$ 3,000,000	$ 14,484
	DANVILLE (APL) - MAGAZINE REC 161KV AEPW	6/1/2011	6/1/2011			$ 88,315	$ 9,000,000	$ 395,091
	Sooner to Rose Hill 345 kV OKGE	6/1/2011	6/1/2011			$ 22,457	$ 27,500,000	$ 125,554
	Sooner to Rose Hill 345 kV WERE	6/1/2011	6/1/2011			$ 22,457	$ 27,500,000	$ 103,978
					Total	$ 136,689	$ 67,500,000	$ 641,469
1090394	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2010	6/1/2010			$ 494	$ 500,000	$ 2,362
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2010	6/1/2010			$ 2,966	$ 3,000,000	$ 14,484
	DANVILLE (APL) - MAGAZINE REC 161KV AEPW	6/1/2011	6/1/2011			$ 88,315	$ 9,000,000	$ 395,091
	Sooner to Rose Hill 345 kV OKGE	6/1/2011	6/1/2011			$ 22,457	$ 27,500,000	$ 125,554
	Sooner to Rose Hill 345 kV WERE	6/1/2011	6/1/2011			$ 22,457	$ 27,500,000	$ 103,978
					Total	$ 136,689	$ 67,500,000	$ 641,469

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 Required and Available
1090392	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2011		
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		
	STRANGER CREEK (STRNGR1X) 345/115/14.4KV TRANSFORMER CKT 1	6/1/2010	6/1/2009		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
1090394	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2011		
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		
	STRANGER CREEK (STRNGR1X) 345/115/14.4KV TRANSFORMER CKT 1	6/1/2010	6/1/2009		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No

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

Reservation	Upgrade Name	COD	EOC
1090392	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2010	6/1/2010
1090394	STRANGER CREEK - NW LEAVENWORTH 115KV	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	AG2-2006-061

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090396	EES	WR	2	5/1/2010	5/1/2040	5/1/2010	5/1/2040	$ -	$ -	$ 385,930	$ 1,953,035
MIDW	1090399	EES	WR	1	5/1/2010	5/1/2040	5/1/2010	5/1/2040	$ -	$ -	$ 192,920	$ 976,286
									$ -	$ -	$ 578,851	$ 2,929,320

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090396	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 98,780	$ 7,520,000	$ 613,598
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2010	6/1/2010			$ 973	$ 500,000	$ 4,652
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2010	6/1/2010			$ 5,839	$ 3,000,000	$ 28,514
	DANVILLE (APL) - MAGAZINE REC 161KV AEPW	6/1/2011	6/1/2011			$ 179,136	$ 9,000,000	$ 801,392
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 8,008	$ 94,396,814	$ 33,374
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 28	$ 2,500,000	$ 88
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 191	$ 5,000,000	$ 597
	Sooner to Rose Hill 345 kV OKGE	6/1/2011	6/1/2011			$ 44,415	$ 27,500,000	$ 248,318
	Sooner to Rose Hill 345 kV WERE	6/1/2011	6/1/2011			$ 44,415	$ 27,500,000	$ 205,646
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 1,777	$ 43,000,000	$ 7,752
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 741	$ 29,000,000	$ 2,320
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,454	$ 24,875,000	$ 6,061
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 173	$ 10,318,679	$ 721
					Total	$ 385,930	$ 284,110,493	$ 1,953,035
1090399	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 49,390	$ 7,520,000	$ 306,799
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2010	6/1/2010			$ 485	$ 500,000	$ 2,319
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2010	6/1/2010			$ 2,910	$ 3,000,000	$ 14,211
	DANVILLE (APL) - MAGAZINE REC 161KV AEPW	6/1/2011	6/1/2011			$ 89,568	$ 9,000,000	$ 400,696
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 4,004	$ 94,396,814	$ 16,686
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 14	$ 2,500,000	$ 44
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 95	$ 5,000,000	$ 298
	Sooner to Rose Hill 345 kV OKGE	6/1/2011	6/1/2011			$ 22,188	$ 27,500,000	$ 124,050
	Sooner to Rose Hill 345 kV WERE	6/1/2011	6/1/2011			$ 22,188	$ 27,500,000	$ 102,733
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 890	$ 43,000,000	$ 3,882
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 371	$ 29,000,000	$ 1,162
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 732	$ 24,875,000	$ 3,052
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 85	$ 10,318,679	$ 355
					Total	$ 192,920	$ 284,110,493	$ 976,286

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 Required and Available
1090396	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	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	12/1/2006	6/1/2010		No
	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 Without Redispatch	Deferred Stop Date Without Redispatch	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	10/1/2011	10/1/2041	$ -	$ -	$ 51,924	$ 255,606
MIDW	1091027	WR	WR	7	6/1/2008	6/1/2038	10/1/2011	10/1/2041	$ -	$ -	$ 121,207	$ 596,683
MIDW	1091032	WR	WR	10	6/1/2008	6/1/2038	10/1/2011	10/1/2041	$ -	$ -	$ 173,121	$ 852,225
MIDW	1091066	WR	WR	17	6/1/2008	6/1/2013	10/1/2011	10/1/2016	$ -	$ -	$ 356,618	$ 846,713
									$ -	$ -	$ 702,871	$ 2,551,228

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1091026	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 3,164	$ 2,500,000	$ 19,466
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 15	$ 1,515,113	$ 88
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 4,209	$ 14,795,676	$ 24,881
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 23,415	$ 94,396,814	$ 109,366
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 83	$ 2,500,000	$ 275
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 782	$ 5,000,000	$ 2,603
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 5,882	$ 38,504,390	$ 35,068
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 45	$ 3,200,000	$ 267
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 6,769	$ 43,000,000	$ 32,059
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 2,820	$ 29,000,000	$ 9,393
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 4,242	$ 24,875,000	$ 19,812
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 499	$ 10,318,679	$ 2,329
					Total	$ 51,924	$ 269,605,672	$ 255,606
1091027	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 7,389	$ 2,500,000	$ 45,459
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 35	$ 1,515,113	$ 208
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 9,825	$ 14,795,676	$ 58,079
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 54,664	$ 94,396,814	$ 255,320
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 193	$ 2,500,000	$ 643
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 1,823	$ 5,000,000	$ 6,073
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 13,740	$ 38,504,390	$ 81,916
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 103	$ 3,200,000	$ 611
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 15,796	$ 43,000,000	$ 74,807
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 6,581	$ 29,000,000	$ 21,918
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 9,894	$ 24,875,000	$ 46,209
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,165	$ 10,318,679	$ 5,439
					Total	$ 121,207	$ 269,605,672	$ 596,683
1091032	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 10,536	$ 2,500,000	$ 64,821
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 50	$ 1,515,113	$ 298
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 14,034	$ 14,795,676	$ 82,960
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 78,080	$ 94,396,814	$ 364,686
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 276	$ 2,500,000	$ 918
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,605	$ 5,000,000	$ 8,676
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 19,622	$ 38,504,390	$ 116,985
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 154	$ 3,200,000	$ 918
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 22,562	$ 43,000,000	$ 106,854
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 9,401	$ 29,000,000	$ 31,308
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 14,135	$ 24,875,000	$ 66,021
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,666	$ 10,318,679	$ 7,781
					Total	$ 173,121	$ 269,605,672	$ 852,225
1091066	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 148	$ 1,515,113	$ 405
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 48,881	$ 14,795,676	$ 132,470
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 124,301	$ 94,396,814	$ 266,160
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 439	$ 2,500,000	$ 911
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 5,838	$ 5,000,000	$ 12,126
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 60,326	$ 38,504,390	$ 164,881
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 449	$ 3,200,000	$ 1,226
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 47,272	$ 43,000,000	$ 122,125
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 19,696	$ 29,000,000	$ 40,910
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 44,057	$ 24,875,000	$ 94,337
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 5,212	$ 10,318,679	$ 11,161
					Total	$ 529,740	$ 536,711,344	$ 1,698,938

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1091026	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2011		
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		
1091027	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2011		
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		
1091032	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2011		
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		
1091066	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2011		
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	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 Required and Available
1091066	ST JOHN CAPACITOR	6/1/2008	6/1/2008		

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1091026	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No
1091026	WICHITA - RENO 345KV	12/1/2006	10/1/2011		No
1091027	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No
1091027	WICHITA - RENO 345KV	12/1/2006	10/1/2011		No
1091032	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No
1091032	WICHITA - RENO 345KV	12/1/2006	10/1/2011		No
1091066	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No
1091066	WICHITA - RENO 345KV	12/1/2006	10/1/2011		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 Without Redispatch	Deferred Stop Date Without Redispatch	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	10/1/2011	10/1/2041	$ -	$ -	$ 229,429	$ 1,135,311
MIDW	1090919	WR	WR	5	6/1/2008	6/1/2038	10/1/2011	10/1/2041	$ -	$ -	$ 57,379	$ 283,906
MIDW	1090920	WR	WR	40	6/1/2008	6/1/2038	10/1/2011	10/1/2041	$ -	$ -	$ 458,858	$ 2,270,623
MIDW	1090921	WR	WR	10	6/1/2008	6/1/2038	10/1/2011	10/1/2041	$ -	$ -	$ 114,713	$ 567,651
MIDW	1090922	WR	WR	50	6/1/2008	6/1/2038	10/1/2011	10/1/2041	$ -	$ -	$ 585,672	$ 3,017,286
MIDW	1090934	WR	WR	60	6/1/2008	6/1/2038	10/1/2011	10/1/2041	$ -	$ -	$ 688,286	$ 3,405,934
MIDW	1090935	WR	WR	15	6/1/2008	6/1/2038	10/1/2011	10/1/2041	$ -	$ -	$ 172,051	$ 851,411
									$ -	$ -	$ 2,306,388	$ 11,532,120

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090917	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 15,581	$ 94,396,814	$ 55,672
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 55	$ 2,500,000	$ 159
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 239	$ 5,000,000	$ 689
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 816	$ 43,000,000	$ 3,183
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 340	$ 29,000,000	$ 980
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 6,122	$ 24,875,000	$ 21,873
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 730	$ 10,318,679	$ 2,610
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 205,546	$ 42,000,000	$ 1,050,145
					Total	$ 229,429	$ 251,090,493	$ 1,135,311
1090919	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 3,917	$ 94,396,814	$ 13,996
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 14	$ 2,500,000	$ 40
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 60	$ 5,000,000	$ 172
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 204	$ 43,000,000	$ 796
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 85	$ 29,000,000	$ 245
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,531	$ 24,875,000	$ 5,469
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 182	$ 10,318,679	$ 649
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 51,387	$ 42,000,000	$ 262,539
					Total	$ 57,379	$ 251,090,493	$ 283,906
1090920	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 31,162	$ 94,396,814	$ 111,343
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 110	$ 2,500,000	$ 317
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 478	$ 5,000,000	$ 1,378
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 1,631	$ 43,000,000	$ 6,365
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 680	$ 29,000,000	$ 1,960
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 12,244	$ 24,875,000	$ 43,749
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,461	$ 10,318,679	$ 5,219
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 411,092	$ 42,000,000	$ 2,100,291
					Total	$ 458,858	$ 251,090,493	$ 2,270,623
1090921	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 7,791	$ 94,396,814	$ 27,836
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 27	$ 2,500,000	$ 79
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 119	$ 5,000,000	$ 344
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 408	$ 43,000,000	$ 1,591
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 170	$ 29,000,000	$ 490
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 3,061	$ 24,875,000	$ 10,938
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 364	$ 10,318,679	$ 1,300
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 102,773	$ 42,000,000	$ 525,073
					Total	$ 114,713	$ 251,090,493	$ 567,651
1090922	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 218,472	$ 7,520,000	$ 1,141,241
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 367,200	$ 42,000,000	$ 1,876,044
					Total	$ 585,672	$ 49,520,000	$ 3,017,286
1090934	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 46,744	$ 94,396,814	$ 167,015
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 165	$ 2,500,000	$ 476
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 717	$ 5,000,000	$ 2,067
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 2,447	$ 43,000,000	$ 9,548
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 1,019	$ 29,000,000	$ 2,941
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 18,366	$ 24,875,000	$ 65,622
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 2,191	$ 10,318,679	$ 7,829
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 616,638	$ 42,000,000	$ 3,150,436
					Total	$ 688,286	$ 251,090,493	$ 3,405,934
1090935	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 11,664	$ 94,396,814	$ 41,676
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 41	$ 2,500,000	$ 119
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 179	$ 5,000,000	$ 516
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 612	$ 43,000,000	$ 2,387
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 255	$ 29,000,000	$ 735
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 4,592	$ 24,875,000	$ 16,406
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 548	$ 10,318,679	$ 1,960
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 154,160	$ 42,000,000	$ 787,612
					Total	$ 172,051	$ 251,090,493	$ 851,411

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

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

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090917	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1090919	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1090920	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1090921	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1090922	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1090934	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1090935	ST JOHN CAPACITOR	6/1/2008	6/1/2008		

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

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090958	WR	WR	3	6/1/2008	6/2/2038	10/1/2011	10/1/2041	$ -	$ -	$ 193,915	$ 1,266,876
MIDW	1091043	WR	WR	1	6/1/2008	6/1/2038	10/1/2011	10/1/2041	$ -	$ -	$ 64,624	$ 422,215
MIDW	1091044	WR	WR	2	6/1/2008	6/1/2038	10/1/2011	10/1/2041	$ -	$ -	$ 129,291	$ 844,666
									$ -	$ -	$ 387,829	$ 2,533,757

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090958	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 3,458	$ 2,500,000	$ 21,275
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 146,034	$ 7,520,000	$ 1,031,330
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 14	$ 1,515,113	$ 81
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 3,471	$ 14,795,676	$ 20,518
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 22,327	$ 94,396,814	$ 104,284
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 79	$ 2,500,000	$ 263
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 702	$ 5,000,000	$ 2,339
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 5,031	$ 38,504,390	$ 29,994
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 39	$ 3,200,000	$ 230
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 6,153	$ 43,000,000	$ 29,139
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 2,564	$ 29,000,000	$ 8,538
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 3,618	$ 24,875,000	$ 16,901
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 425	$ 10,318,679	$ 1,986
					Total	$ 193,915	$ 277,125,672	$ 1,266,876
1091043	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 1,158	$ 2,500,000	$ 7,124
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 48,678	$ 7,520,000	$ 343,777
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 4	$ 1,515,113	$ 23
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 1,148	$ 14,795,676	$ 6,786
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 7,443	$ 94,396,814	$ 34,762
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 26	$ 2,500,000	$ 88
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 234	$ 5,000,000	$ 780
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 1,672	$ 38,504,390	$ 9,967
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 13	$ 3,200,000	$ 77
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 2,051	$ 43,000,000	$ 9,713
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 854	$ 29,000,000	$ 2,846
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,202	$ 24,875,000	$ 5,616
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 141	$ 10,318,679	$ 657
					Total	$ 64,624	$ 277,125,672	$ 422,215
1091044	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 2,316	$ 2,500,000	$ 14,249
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 97,356	$ 7,520,000	$ 687,553
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 8	$ 1,515,113	$ 48
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 2,309	$ 14,795,676	$ 13,649
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 14,885	$ 94,396,814	$ 69,522
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 53	$ 2,500,000	$ 175
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 468	$ 5,000,000	$ 1,559
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 3,359	$ 38,504,390	$ 20,025
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 26	$ 3,200,000	$ 153
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 4,102	$ 43,000,000	$ 19,426
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 1,709	$ 29,000,000	$ 5,692
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 2,416	$ 24,875,000	$ 11,285
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 285	$ 10,318,679	$ 1,329
					Total	$ 129,291	$ 277,125,672	$ 844,666

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090958	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	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		
1091043	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	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		
1091044	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	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 Required and Available
1090958	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
1091043	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
1091044	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090958	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		No
1091043	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		No
1091044	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		No

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

Customer	Study Number
MIDW	AG2-2006-099

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1091034	WR	WR	1	6/1/2008	6/1/2038	10/1/2011	10/1/2041	$ -	$ -	$ 17,789	$ 387,945
MIDW	1091035	WR	WR	1	6/1/2008	6/1/2038	10/1/2011	10/1/2041	$ -	$ -	$ 17,789	$ 387,945
MIDW	1091041	WR	WR	2	6/1/2008	6/1/2038	10/1/2011	10/1/2041	$ -	$ -	$ 35,618	$ 776,364
									$ -	$ -	$ 71,196	$ 1,552,255

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1091034	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 1,240	$ 2,500,000	$ 7,629
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 5	$ 1,515,113	$ 32
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 1,326	$ 14,795,676	$ 7,839
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 8,226	$ 94,396,814	$ 38,420
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 29	$ 2,500,000	$ 97
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 261	$ 5,000,000	$ 870
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 1,915	$ 38,504,390	$ 11,417
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 13	$ 3,200,000	$ 77
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 2,284	$ 43,000,000	$ 10,815
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 951	$ 29,000,000	$ 3,169
	STRANGER CREEK - NW LEAVENWORTH 115KV EXPEDITE	6/1/2008	6/1/2009		No	$ -	$ 4,000,000	$ 300,396
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,377	$ 24,875,000	$ 6,433
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 161	$ 10,318,679	$ 753
					Total	$ 17,789	$ 273,605,672	$ 387,945
1091035	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 1,240	$ 2,500,000	$ 7,629
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 5	$ 1,515,113	$ 32
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 1,326	$ 14,795,676	$ 7,839
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 8,226	$ 94,396,814	$ 38,420
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 29	$ 2,500,000	$ 97
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 261	$ 5,000,000	$ 870
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 1,915	$ 38,504,390	$ 11,417
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 13	$ 3,200,000	$ 77
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 2,284	$ 43,000,000	$ 10,815
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 951	$ 29,000,000	$ 3,169
	STRANGER CREEK - NW LEAVENWORTH 115KV EXPEDITE	6/1/2008	6/1/2009		No	$ -	$ 4,000,000	$ 300,396
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,377	$ 24,875,000	$ 6,433
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 161	$ 10,318,679	$ 753
					Total	$ 17,789	$ 273,605,672	$ 387,945
1091041	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 2,495	$ 2,500,000	$ 15,350
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 9	$ 1,515,113	$ 56
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 2,651	$ 14,795,676	$ 15,671
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 16,495	$ 94,396,814	$ 77,044
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 58	$ 2,500,000	$ 194
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 522	$ 5,000,000	$ 1,739
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 3,815	$ 38,504,390	$ 22,744
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 32	$ 3,200,000	$ 191
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 4,570	$ 43,000,000	$ 21,641
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 1,904	$ 29,000,000	$ 6,341
	STRANGER CREEK - NW LEAVENWORTH 115KV EXPEDITE	6/1/2008	6/1/2009		No	$ -	$ 4,000,000	$ 601,071
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 2,744	$ 24,875,000	$ 12,816
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 323	$ 10,318,679	$ 1,507
					Total	$ 35,618	$ 273,605,672	$ 776,364

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1091034	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2011		
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		
	STRANGER CREEK (STRNGR1X) 345/115/14.4KV TRANSFORMER CKT 1	6/1/2010	6/1/2009		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
1091035	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2011		
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		
	STRANGER CREEK (STRNGR1X) 345/115/14.4KV TRANSFORMER CKT 1	6/1/2010	6/1/2009		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
1091041	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2011		
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		
	STRANGER CREEK (STRNGR1X) 345/115/14.4KV TRANSFORMER CKT 1	6/1/2010	6/1/2009		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No

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

Reservation	Upgrade Name	COD	EOC
1091034	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2010	6/1/2010
1091035	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2010	6/1/2010
1091041	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2010	6/1/2010

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1091034	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		No
1091035	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		No
1091041	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		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 Without Redispatch	Deferred Stop Date Without Redispatch	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	10/1/2011	10/1/2016	$ 1,350,287	$ -	$ 1,350,287	$ 2,865,462
MIDW	1090965	WR	WR	10	1/1/2007	1/1/2012	10/1/2011	10/1/2016	$ 385,812	$ -	$ 385,812	$ 818,761
									$ 1,736,099	$ -	$ 1,736,099	$ 3,684,222

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090964	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		Yes	$ 119,722	$ 7,520,000	$ 251,801
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 229,496	$ 94,396,814	$ 356,292
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 810	$ 2,500,000	$ 1,416
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 9,617	$ 5,000,000	$ 16,812
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 79,875	$ 43,000,000	$ 163,577
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 33,280	$ 29,000,000	$ 58,176
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 62,095	$ 24,875,000	$ 96,403
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 7,336	$ 10,318,679	$ 11,389
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 808,056	$ 42,000,000	$ 1,909,598
					Total	$ 1,350,287	$ 258,610,493	$ 2,865,462
1090965	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		Yes	$ 34,202	$ 7,520,000	$ 71,934
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 65,545	$ 94,396,814	$ 101,759
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 231	$ 2,500,000	$ 404
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,748	$ 5,000,000	$ 4,803
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 22,821	$ 43,000,000	$ 46,736
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 9,509	$ 29,000,000	$ 16,622
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 17,743	$ 24,875,000	$ 27,546
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 2,097	$ 10,318,679	$ 3,256
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 230,916	$ 42,000,000	$ 545,701
					Total	$ 385,812	$ 258,610,493	$ 818,761

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 Required and Available
1090964	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		Yes
	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2011	6/1/2011		
1090965	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	12/1/2006	6/1/2010		Yes
	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2011	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 Required and Available
1090964	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1090965	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
	ST JOHN CAPACITOR	6/1/2008	6/1/2008		

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090964	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090965	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		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 Without Redispatch	Deferred Stop Date Without Redispatch	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	10/1/2011	10/1/2021	$ -	$ -	$ 964,540	$ 2,420,171
									$ -	$ -	$ 964,540	$ 2,420,171

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090817	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		Yes	$ 85,490	$ 7,520,000	$ 219,788
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 163,907	$ 94,396,814	$ 304,914
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 579	$ 2,500,000	$ 1,120
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 6,869	$ 5,000,000	$ 13,297
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 57,053	$ 43,000,000	$ 133,685
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 23,771	$ 29,000,000	$ 46,015
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 44,363	$ 24,875,000	$ 82,529
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 5,239	$ 10,318,679	$ 9,745
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 577,269	$ 42,000,000	$ 1,609,078
					Total	$ 964,540	$ 258,610,493	$ 2,420,171

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 Required and Available
1090817	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2011	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 Required and Available
1090817	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
	ST JOHN CAPACITOR	6/1/2008	6/1/2008		

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090817	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		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 Without Redispatch	Deferred Stop Date Without Redispatch	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	10/1/2011	10/1/2031	$ -	$ -	$ 1,543,334	$ 5,506,704
MIDW	1090829	WR	WR	15	6/1/2008	6/1/2028	10/1/2011	10/1/2031	$ -	$ -	$ 579,579	$ 2,649,890
MIDW	1090839	WR	WR	40	6/1/2008	6/1/2018	10/1/2011	10/1/2021	$ -	$ -	$ 1,543,334	$ 4,068,296
MIDW	1090841	WR	WR	40	6/1/2008	6/1/2018	10/1/2011	10/1/2021	$ -	$ -	$ 1,543,334	$ 4,068,296
MIDW	1090844	WR	WR	10	6/1/2008	6/1/2028	10/1/2011	10/1/2031	$ -	$ -	$ 385,812	$ 1,376,619
MIDW	1090852	WR	WR	10	6/1/2008	6/1/2018	10/1/2011	10/1/2021	$ -	$ -	$ 385,812	$ 1,017,033
MIDW	1090853	WR	WR	19	6/1/2008	6/1/2018	10/1/2011	10/1/2021	$ -	$ -	$ 733,087	$ 1,932,459
MIDW	1090854	WR	WR	6	6/1/2008	6/1/2018	10/1/2011	10/1/2021	$ -	$ -	$ 231,529	$ 610,322
MIDW	1091057	WR	WR	10	6/1/2008	6/1/2018	10/1/2011	10/1/2021	$ -	$ -	$ 385,812	$ 1,017,033
									$ -	$ -	$ 7,331,633	$ 22,246,651

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090826	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 136,808	$ 7,520,000	$ 531,984
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 262,269	$ 94,396,814	$ 711,217
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 926	$ 2,500,000	$ 2,236
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 10,991	$ 5,000,000	$ 26,546
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 91,286	$ 43,000,000	$ 285,164
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 38,034	$ 29,000,000	$ 91,861
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 70,972	$ 24,875,000	$ 192,462
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 8,383	$ 10,318,679	$ 22,733
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 923,665	$ 42,000,000	$ 3,642,500
					Total	$ 1,543,334	$ 258,610,493	$ 5,506,704
1090829	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 52,148	$ 7,520,000	$ 274,129
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 98,361	$ 94,396,814	$ 348,655
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 347	$ 2,500,000	$ 968
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 4,121	$ 5,000,000	$ 11,492
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 34,232	$ 43,000,000	$ 129,769
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 14,263	$ 29,000,000	$ 39,770
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 26,609	$ 24,875,000	$ 94,319
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 3,144	$ 10,318,679	$ 11,146
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		No	$ 346,353	$ 42,000,000	$ 1,739,641
					Total	$ 579,579	$ 258,610,493	$ 2,649,890
1090839	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 136,808	$ 7,520,000	$ 373,599
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 262,269	$ 94,396,814	$ 514,761
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 926	$ 2,500,000	$ 1,845
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 10,991	$ 5,000,000	$ 21,897
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 91,286	$ 43,000,000	$ 222,342
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 38,034	$ 29,000,000	$ 75,772
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 70,972	$ 24,875,000	$ 139,299
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 8,383	$ 10,318,679	$ 16,453
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 923,665	$ 42,000,000	$ 2,702,329
					Total	$ 1,543,334	$ 258,610,493	$ 4,068,296
1090841	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 136,808	$ 7,520,000	$ 373,599
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 262,269	$ 94,396,814	$ 514,761
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 926	$ 2,500,000	$ 1,845
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 10,991	$ 5,000,000	$ 21,897
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 91,286	$ 43,000,000	$ 222,342
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 38,034	$ 29,000,000	$ 75,772
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 70,972	$ 24,875,000	$ 139,299
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 8,383	$ 10,318,679	$ 16,453
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 923,665	$ 42,000,000	$ 2,702,329
					Total	$ 1,543,334	$ 258,610,493	$ 4,068,296
1090844	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 34,202	$ 7,520,000	$ 132,996
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 65,545	$ 94,396,814	$ 177,745
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 231	$ 2,500,000	$ 559
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,748	$ 5,000,000	$ 6,636
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 22,821	$ 43,000,000	$ 71,291
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 9,509	$ 29,000,000	$ 22,965
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 17,743	$ 24,875,000	$ 48,115
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 2,097	$ 10,318,679	$ 5,687
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 230,916	$ 42,000,000	$ 910,624
					Total	$ 385,812	$ 258,610,493	$ 1,376,619
1090852	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 34,202	$ 7,520,000	$ 93,400
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 65,545	$ 94,396,814	$ 128,648
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 231	$ 2,500,000	$ 461
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,748	$ 5,000,000	$ 5,474
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 22,821	$ 43,000,000	$ 55,585
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 9,509	$ 29,000,000	$ 18,943
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 17,743	$ 24,875,000	$ 34,824
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 2,097	$ 10,318,679	$ 4,116
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 230,916	$ 42,000,000	$ 675,581
					Total	$ 385,812	$ 258,610,493	$ 1,017,033
1090853	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 64,993	$ 7,520,000	$ 177,484
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 124,562	$ 94,396,814	$ 244,481

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

	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 440	$ 2,500,000	$ 876
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 5,221	$ 5,000,000	$ 10,401
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 43,362	$ 43,000,000	$ 105,615
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 18,067	$ 29,000,000	$ 35,992
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 33,715	$ 24,875,000	$ 66,173
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 3,983	$ 10,318,679	$ 7,818
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 438,745	$ 42,000,000	$ 1,283,618
					Total	$ 733,087	$ 258,610,493	$ 1,932,459
1090854	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 20,527	$ 7,520,000	$ 56,056
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 39,345	$ 94,396,814	$ 77,223
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 139	$ 2,500,000	$ 277
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 1,649	$ 5,000,000	$ 3,284
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 13,692	$ 43,000,000	$ 33,349
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 5,705	$ 29,000,000	$ 11,365
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 10,648	$ 24,875,000	$ 20,899
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 1,258	$ 10,318,679	$ 2,470
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 138,567	$ 42,000,000	$ 405,400
					Total	$ 231,529	$ 258,610,493	$ 610,322
1091057	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 34,202	$ 7,520,000	$ 93,400
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 65,545	$ 94,396,814	$ 128,648
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 231	$ 2,500,000	$ 461
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 2,748	$ 5,000,000	$ 5,474
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 22,821	$ 43,000,000	$ 55,585
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 9,509	$ 29,000,000	$ 18,943
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 17,743	$ 24,875,000	$ 34,824
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 2,097	$ 10,318,679	$ 4,116
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 230,916	$ 42,000,000	$ 675,581
					Total	$ 385,812	$ 258,610,493	$ 1,017,033

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and 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	6/1/2008	10/1/2007	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2011	6/1/2011		
1090829	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2011	6/1/2011		
1090839	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2011	6/1/2011		
1090841	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2011	6/1/2011		
1090844	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2011	6/1/2011		
1090852	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2011	6/1/2011		
1090853	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2011	6/1/2011		
1090854	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2011	6/1/2011		
1091057	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2011	6/1/2011		

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

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 Required and Available
1090826	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1090829	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
1090839	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1090841	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1090844	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1090852	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1090853	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1090854	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
	ST JOHN CAPACITOR	6/1/2008	6/1/2008		
1091057	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		
	ST JOHN CAPACITOR	6/1/2008	6/1/2008		

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1090826	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090829	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090839	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090841	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090844	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090852	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090853	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1090854	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1091057	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No

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

Customer MIDW
Study Number AG2-2006-118

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1090959	SECI	WR	75	6/1/2011	6/1/2041	6/1/2011	6/1/2041	$ -	$ -	$ 6,260,112	$ 37,996,074
									$ -	$ -	$ 6,260,112	$ 37,996,074

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and 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	$ 843	$ 1,515,113	$ 4,895
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 410,315	$ 14,795,676	$ 2,361,277
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 165,822	$ 94,396,814	$ 753,984
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 585	$ 2,500,000	$ 1,922
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 20,140	$ 5,000,000	$ 66,115
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 359,145	$ 38,504,390	$ 2,084,422
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 2,570	$ 3,200,000	$ 14,918
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 132,013	$ 43,000,000	$ 613,196
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 55,003	$ 29,000,000	$ 180,564
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No	$ 31,058	$ 2,401,645	$ 166,687
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 265,161	$ 24,875,000	$ 1,205,672
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 31,490	$ 10,318,679	$ 143,184
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		No	$ 4,785,965	$ 42,000,000	$ 30,399,239
					Total	$ 6,260,112	$ 311,507,317	$ 37,996,074

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 Required and Available
1090959	CARTER JCT CAPACITOR	6/1/2011	6/1/2011		
	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	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 Without Redispatch	Deferred Stop Date Without Redispatch	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	$ -	$ 540,000	$ 9,818,793	$ 19,565,863
									$ -	$ 540,000	$ 9,818,793	$ 19,565,863

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and 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		No	$ 1,200,000	$ 1,200,000	$ 2,377,480
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2010	6/1/2010			$ 4,725	$ 500,000	$ 9,466
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2010	6/1/2010			$ 28,348	$ 3,000,000	$ 62,888
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 178,443	$ 94,396,814	$ 316,733
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 630	$ 2,500,000	$ 1,183
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 4,668	$ 5,000,000	$ 8,768
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2009		No	$ 7,500,000	$ 7,500,000	$ 14,859,249
	Sooner to Rose Hill 345 kV OKGE	6/1/2011	6/1/2011			$ 429,794	$ 27,500,000	$ 938,227
	Sooner to Rose Hill 345 kV WERE	6/1/2011	6/1/2011			$ 429,794	$ 27,500,000	$ 904,010
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 24,073	$ 43,000,000	$ 54,309
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 10,030	$ 29,000,000	$ 18,840
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 7,401	$ 24,875,000	$ 13,137
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 886	$ 10,318,679	$ 1,572
					Total	$ 9,818,793	$ 276,290,493	$ 19,565,863

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

Reservation	Upgrade Name	COD	EOC
1087908	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	6/1/2006	4/1/2008
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	6/1/2006	4/1/2008

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1087908	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		

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

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

Customer	**Reservation**	**POR**	**POD**	**Requested Amount**	**Requested Start Date**	**Requested Stop Date**	**Deferred Start Date Without Redispatch**	**Deferred Stop Date Without Redispatch**	**Potential Base Plan Funding Allowable**	**Point-to-Point Base Rate**	**Allocated E & C Cost**	**Total Revenue Requirements**
SEPC	1090236	SECI	WPEK	150	6/1/2011	6/1/2041	6/1/2011	6/1/2041	$ -	$ 52,812,000	$ 15,785,724	$ 96,401,693
									$ -	$ 52,812,000	$ 15,785,724	$ 96,401,693

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090236	Cimarron Plant Substation Expansion	6/1/2009	6/1/2009			$ 1,825,735	$ 2,500,000	$ 10,898,091
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2008		No	$ 5,405,050	$ 7,520,000	$ 37,035,491
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 1,637	$ 1,515,113	$ 9,501
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 2,331,236	$ 14,795,676	$ 13,415,776
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 394,970	$ 94,396,814	$ 1,795,906
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,394	$ 2,500,000	$ 4,577
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 37,603	$ 5,000,000	$ 123,442
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 642,019	$ 38,504,390	$ 3,726,182
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 4,904	$ 3,200,000	$ 28,460
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 263,254	$ 43,000,000	$ 1,222,804
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 109,685	$ 29,000,000	$ 360,072
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2008	10/1/2009		No	$ 959,645	$ 2,401,645	$ 5,150,368
	TRI COUNTY PRAIRIE Interconnection #1	7/1/2007	7/1/2007			$ -	$ -	$ -
	TRI COUNTY PRAIRIE Interconnection #2	7/1/2007	6/1/2008		No	$ 914,160	$ 1,500,000	$ 5,180,182
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 462,849	$ 24,875,000	$ 2,104,547
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 54,580	$ 10,318,679	$ 248,172
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		No	$ 2,377,003	$ 42,000,000	$ 15,098,122
					Total	$ 15,785,724	$ 323,027,317	$ 96,401,693

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 Required and 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	12/1/2006	6/1/2010		No
	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	6/1/2008	10/1/2007	No
	KELLY - KING HILL N.M. COOP 115KV CKT 1	6/1/2010	6/1/2010		
	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

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 Required and Available
1090236	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 Without Redispatch	Deferred Stop Date Without Redispatch	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	10/1/2007	10/1/2008	$ -	$ 528,000	$ 328,249	$ 555,590
									$ -	$ 528,000	$ 328,249	$ 555,590

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090699	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 532	$ 1,515,113	$ 904
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 130,531	$ 14,795,676	$ 219,807
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 195,615	$ 38,504,390	$ 332,212
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 1,571	$ 3,200,000	$ 2,667
					Total	$ 328,249	$ 58,015,179	$ 555,590

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 Required and Available
1090699	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	6/1/2009	10/1/2007	No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	6/1/2008	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 Required and Available
1090699	ST JOHN CAPACITOR	6/1/2008	6/1/2008		

Customer SPSM
Study Number AG2-2006-124

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SPSM	1090705	WPEK	KCPL	50	10/1/2006	10/1/2007	10/1/2007	10/1/2008	$ -	$ 528,000	$ 328,249	$ 555,590
									$ -	$ 528,000	$ 328,249	$ 555,590

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1090705	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No	$ 532	$ 1,515,113	$ 904
	Hitchland 345 and 115 kV Interchange	4/1/2007	6/1/2010		No	$ 130,531	$ 14,795,676	$ 219,807
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No	$ 195,615	$ 38,504,390	$ 332,212
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No	$ 1,571	$ 3,200,000	$ 2,667
					Total	$ 328,249	$ 58,015,179	$ 555,590

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 Required and Available
1090705	GREENSBURG - JUDSON LARGE 115KV CKT 1	10/1/2006	6/1/2007		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	6/1/2009	10/1/2007	No
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008	12/1/2007	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	10/1/2007	6/1/2008	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 Required and Available
1090705	ST JOHN CAPACITOR	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 UCU **Study Number** AG2-2006-006

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
UCU	1052923	KCPL	MPS	160	6/1/2010	6/1/2030	6/1/2010	6/1/2030	$ 3,342,180	$ 61,862,400	$ 3,423,718	$ 13,285,298
									$ 3,342,180	$ 61,862,400	$ 3,423,718	$ 13,285,298

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1052923	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011			$ 3,342,180	$ 4,123,803	$ 13,285,298
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			$ 81,538	$ 100,000	$ -
					Total	$ 3,423,718	$ 4,223,803	$ 13,285,298

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 Required and Available
1052923	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	6/1/2009	10/1/2007	No
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC
1052923	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1052923	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		

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

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	1076158	KCPL	AMRN	20	6/1/2010	6/1/2015	6/1/2010	6/1/2015	$ -	$ 1,080,000	$ 369,615	$ 834,001
									$ -	$ 1,080,000	$ 369,615	$ 834,001

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and 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			$ 361,167	$ 4,123,803	$ 834,001
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			$ 8,448	$ 100,000	$ -
					Total	$ 369,615	$ 4,223,803	$ 834,001

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 Required and Available
1076158	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		
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	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 Required and Available
1076158	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2007		

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

Customer	Study Number
WRGS	AG2-2006-030

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	1086655	OKGE	WR	225	10/1/2006	10/1/2026	10/1/2011	10/1/2031	$ 40,500,000	$ -	$ 53,055,778	$ 178,816,183
WRGS	1086656	OKGE	WR	75	10/1/2006	10/1/2026	10/1/2011	10/1/2031	$ 13,500,000	$ -	$ 17,685,206	$ 59,605,210
									$ 54,000,000	$ -	$ 70,740,983	$ 238,421,393

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1086655	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2010	6/1/2010			$ 323,498	$ 500,000	$ 998,378
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2010	6/1/2010			$ 1,940,988	$ 3,000,000	$ 6,366,842
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2011	6/1/2011			$ 15,000	$ 20,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 1,251,978	$ 94,396,814	$ 3,395,100
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 4,420	$ 2,500,000	$ 10,674
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 34,774	$ 5,000,000	$ 83,988
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	6/1/2008	10/1/2007	Yes	$ 2,755,720	$ 4,000,000	$ 9,981,172
	Sooner to Rose Hill 345 kV OKGE	6/1/2011	6/1/2011			$ 19,740,643	$ 27,500,000	$ 68,810,980
	Sooner to Rose Hill 345 kV WERE	6/1/2011	6/1/2011			$ 19,740,643	$ 27,500,000	$ 61,394,352
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 312,764	$ 43,000,000	$ 977,033
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 130,313	$ 29,000,000	$ 314,736
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 256,306	$ 24,875,000	$ 695,049
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 30,226	$ 10,318,679	$ 81,966
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 6,518,505	$ 42,000,000	$ 25,705,914
					Total	$ 53,055,778	$ 313,610,493	$ 178,816,183
1086656	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2010	6/1/2010			$ 107,831	$ 500,000	$ 332,787
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2010	6/1/2010			$ 646,983	$ 3,000,000	$ 2,122,238
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2011	6/1/2011			$ 5,000	$ 20,000	$ -
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 417,340	$ 94,396,814	$ 1,131,739
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,473	$ 2,500,000	$ 3,558
	Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011			$ 11,591	$ 5,000,000	$ 27,996
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	6/1/2007	6/1/2008	10/1/2007	Yes	$ 918,573	$ 4,000,000	$ 3,327,056
	Sooner to Rose Hill 345 kV OKGE	6/1/2011	6/1/2011			$ 6,580,189	$ 27,500,000	$ 22,936,905
	Sooner to Rose Hill 345 kV WERE	6/1/2011	6/1/2011			$ 6,580,189	$ 27,500,000	$ 20,464,705
	Spearville - Mooreland 345 kV SUNC	6/1/2011	6/1/2011			$ 104,253	$ 43,000,000	$ 325,673
	Spearville - Mooreland 345 kV WFEC	6/1/2011	6/1/2011			$ 43,437	$ 29,000,000	$ 104,911
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 85,435	$ 24,875,000	$ 231,682
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			$ 10,075	$ 10,318,679	$ 27,322
	WICHITA - RENO 345KV	12/1/2006	10/1/2011		Yes	$ 2,172,835	$ 42,000,000	$ 8,568,638
					Total	$ 17,685,206	$ 313,610,493	$ 59,605,210

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 Required and Available
1086655	COFFEYVILLE SUB - DEARING 69KV CKT 1	4/1/2007	6/1/2008		No
	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	6/1/2009		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2012	6/1/2009		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2011		
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		
1086656	COFFEYVILLE SUB - DEARING 69KV CKT 1	4/1/2007	6/1/2008		No
	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	6/1/2009		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2012	6/1/2009		
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2011		
	STRANGER CREEK - THORNTON STREET 115KV CKT 1	6/1/2010	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC
1086655	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2010	6/1/2010
1086656	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2010	6/1/2010

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Required and Available
1086655	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No
1086656	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	4/1/2007	6/1/2010		No
	Potter - Roosevelt 345KV	4/1/2007	6/1/2010		No
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2010		No

Note1:
Modeling of request 1086656 assumes New Designated Network Resource no longer Designated Network Resource for OMPA Network Load in OKGE
Note2:
The COFFEYVILLE SUB - DEARING 69KV CKT 1 Upgrade Requirement may need to be excluded due to 2006 MDWG Update 4 Load Modeling Error at bus 57685 CRA 269.0

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	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	Rebuild line using 1590 ACSR	6/1/2010	6/1/2010	$ 500,000
AEPW	DANVILLE (APL) - MAGAZINE REC 161KV AEPW	Reconductor 17.96 miles of 250 Copperweld with 795 ACSR.	6/1/2011	6/1/2011	$ 9,000,000
AEPW	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	Replace Hobart Jct. Wavetrap	6/1/2014	6/1/2014	$ 100,000
AEPW	SW SHREVEPORT EXPANSION	Build SW Shreveport - Port Robson 345 kV line and install 345/138 kV auto @ Port Robson.	6/1/2007	2/1/2010	$ 40,000,000
AEPW	THOMAS TAP - WEATHERFORD 69KV CKT 1	Rebuild 0.9 miles of 4/0 ACSR with 795 ACSR. Replace Weatherford wavetrap.	6/1/2013	6/1/2013	$ 550,000
AEPW	Wallace Lake - RedPoint 138kV	Convert Wallace Lake - Port Robson - Mcdade - Haughton - RedPoint to 138kV	6/1/2007	2/1/2010	$ 24,000,000
EMDE	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1	Reconductor Line	6/1/2016	6/1/2016	$ 6,910,000
KACP	COLLEGE - CRAIG 161KV CKT 1 EXPEDITE	Reconductor 4 miles with 1192.5 ACSS, 558 normal/emergency rating and upgrade breaker.	6/1/2011	6/1/2011	$ 700,000
KACP	IATAN - STRANGER CREEK 345KV CKT 2	Convert Iatan-Stranger Creek 161kV line to 345kV	6/1/2011	6/1/2011	$ 4,123,803
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	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	Tap Muskogee to Riverside line and install a second xfmr at Pecan Creek	6/1/2008	6/1/2009	$ 7,500,000
OKGE	Sooner to Rose Hill 345 kV OKGE	New 345 kV line from Sooner to Oklahoma/Kansas	6/1/2011	6/1/2011	$ 27,500,000
SPS	Bailey County - Curry County 115 kV	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 winding d	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 C	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 indeterminat	10/1/2007	6/1/2006	$ -
SPS	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV C	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 City	10/1/2006	10/1/2006	$ 70,000
SPS	GSEC Midway Interconnection #2	Install 7.2 MVAR Capacitor at GSEC Midway 69 kV No Cost Assigned based on GSEC Ownership	6/1/2011	6/1/2011	$ -
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 So	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 Interchange	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	4/1/2007	6/1/2008	$ 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	Mustang-San Andr-Amerada Hess 115KV	Terminate V53 at Mustang instead of Denver City - 3 mi of new 115 kV circuit. Mustang-San Andr-Amerada Hes	4/1/2007	10/1/2008	$ 1,742,892
SPS	Potter - Roosevelt 345KV	New 345 kV circuit from Potter - Roosevelt 2-795 ACSR & 345/230 kV 560 MVA transformer	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 indeterminate.	3/1/2011	3/1/2011	$ -
SPS	Tex-Hitchland-Sherman Tap 115 kV ckt	Route Sherman Tap to Texas Co in/out of New Hitchland Interchange	6/1/2008	10/1/2009	$ 2,401,645
SPS	TRI COUNTY PRAIRIE Interconnection #1	New Delivery Point on Texas County to Liberal 115 kV line Interconnection costs indeterminate.	7/1/2007	7/1/2007	$ -
SPS	TRI COUNTY PRAIRIE Interconnection #2	Move Texas County Phase Shifter to TRI COUNTY PRAIRIE Interconnection	7/1/2007	6/1/2008	$ 1,500,000
SPS	Tuco - Tolk 345kV	Build new 345kV line from Tuco to Tolk	6/1/2011	6/1/2011	$ 24,875,000
SPS	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	Install 345/115 kV Transformer at Tuco	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 Stateline	6/1/2011	6/1/2011	$ 43,000,000
WEPL	Cimarron Plant Substation Expansion	Integrate SUNC North Cimarron Top into reconfigured WEPL Cimarron Plant Sub	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 Center	6/1/2007	6/1/2008	$ 7,520,000
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	Tie Line, Rebuild 3.93 miles of 795 ACSR with 1590 ACSR.	6/1/2010	6/1/2010	$ 3,000,000
WERE	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	Replace wave trap	6/1/2011	6/1/2011	$ 20,000
WERE	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER	Add third 345-138 kV transformer at Rose Hill	6/1/2007	6/1/2008	$ 4,000,000
WERE	Sooner to Rose Hill 345 kV WERE	New 345 kV line from Oklahoma/Kansas Stateline to Rose Hill	6/1/2011	6/1/2011	$ 27,500,000
WERE	STRANGER CREEK - NW LEAVENWORTH 115KV EXPEDITE	Rebuild 11.62-mile Jarbalo-NW Leavenworth 115 kV line and tap in & out of Stranger 115 kV	6/1/2008	6/1/2009	$ 4,000,000
WERE	WICHITA - RENO 345KV	Build 345kV from Wichita to Reno Co	12/1/2006	10/1/2011	$ 42,000,000
WFEC	FT SUPPLY - WOODWARD 69KV CKT 1	Reconductor 18.0 miles from 336 to 795 ACSR	10/1/2007	2/1/2009	$ 3,800,000
WFEC	Mooreland - TUCO 345 kV WFEC	345 kV line Terminal	6/1/2011	6/1/2011	$ 2,500,000
WFEC	Mooreland 345/138 kV Transformer	New Mooreland 345/138 kV Transformer	6/1/2011	6/1/2011	$ 5,000,000
WFEC	Spearville - Mooreland 345 kV WFEC	New 345 kV line from Kansas/Oklahoma Stateline to Mooreland	6/1/2011	6/1/2011	$ 29,000,000

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

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

Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	ALUMAX TAP - BANN 138KV CKT 1	Replace six (6) 138 kV switches, five at Bann & one at Alumax Tap. Rebuild 0.67 miles of 1024 ACAR with 2156	6/1/2007	6/1/2008
MIDW	ST JOHN CAPACITOR	MIDW St. John Capacitors (2008 Summer)	6/1/2008	6/1/2008
MIPU	IATAN - ST JOE 345KV CKT 1	Circuit Breaker	6/1/2011	6/1/2007
SPS	TERRY COUNTY INTERCHANGE 115/69KV TRANSFORMERS	Upgrade both existing transformer by 10/1/2007	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,	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 Rebuild	6/1/2007	6/1/2008
WFEC	ALTUS JCT TAP - RUSSELL 138KV CKT 1	Change CT Ratio	6/1/2011	6/1/2008
WFEC	FT SUPPLY 138/69KV TRANSFORMER CKT 1	Install 2nd 70 MVA auto at Ft Supply	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	6/1/2009

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 06/2009	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 Swi	6/1/2007	6/1/2008
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
AEPW	ELK CITY - ELK CITY 69KV CKT 1 AEPW	Replace metering CTs & Jumpers and reset relay Cts	6/1/2007	2/1/2008
AEPW	Siloam Springs - South Fayetteville 161 kV	Convert Existing 69 kV Line to 161 kV Operation	6/1/2015	6/1/2015
AEPW	WEATHERFORD SOUTHEAST (WTH_SE) 138/69/13.8KV TRANSFORMER CKT 1	Install new 90 MVA Auto	6/1/2011	1/1/2008
AEPWWFEC	SNYDER AEPW- SNYDER WFEC INTERCONNECTION	New Tie line between AEPW's Snyder and WFEC's Snyder	6/1/2015	6/1/2015
GRDA	GRAY TAP - PENSACOLA 69KV CKT 1	Rebuild line to 795 ACSR	6/1/2008	6/1/2008
KACP	CROSSTOWN - NEAST 161KV CKT 1	Add series reactor at Crosstown	6/1/2016	6/1/2016
KCPL	STRANGER CREEK - THORNTON STREET 115KV CKT 1	New 115 kV Line from Stranger Creek (57268) to Thornton Street (57272).	6/1/2010	6/1/2009
KCPL	STRANGER CREEK (STRNGR1X) 345/115/14.4KV TRANSFORMER CKT 1	Install New (2nd) 345/115 XFR at Stranger Creek (56772/57268/56816).	6/1/2010	6/1/2009
MIDW	HAYS PLANT - SOUTH HAYS 115KV CKT 1	Reconductor line	6/1/2007	6/1/2008
MIPU	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	Upgrade to bundled 795 26/7 ACSR conductor	12/1/2006	6/1/2009
SPS	BC-EARTH INTERCHANGE 115KV	Install 1 - 14.4 MVar capacitor bank	6/1/2013	6/1/2013
SPS	BOOKER 69KV	Install 1 - 7.2 MVar capacitor bank at Booker 69 kV	6/1/2016	6/1/2016
SPS	COX INTERCHANGE - LH-COX3 115KV CKT 1	Rebuild Cox-LHCox 115 kV circuit w/397 ACSR	6/1/2015	6/1/2015
SPS	HALE CO INTERCHANGE - LH-COX3 115KV CKT 1	Rebuild Hale - LHCox 115 kV circuit w/397 ACSR	6/1/2015	6/1/2015
SPS	HART 69 kV Capacitor	Install 7.2 MVAR Capacitor at Hart 69 kV	6/1/2008	6/1/2008
SPS	Hart Interchange 230/115 kV	New 230/115 kV Hart Intg with 115 kV 397 ACSR ckt to Kress Int, 3-brkr 230 kV ring, 150 MVA auto, 115 kV terr	6/1/2011	6/1/2011
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	4/1/2007	6/1/2008
SPS	Pringle - Etter 115 kV	Build New 115 kV line from Pringle to Etter	6/1/2012	6/1/2012
SPS	Seven Rivers to Pecos to Potash Junction 230kV	Seven Rivers to Pecos to Potash Junction 230kV	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 Co.	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
WEPL	GREENSBURG - JUDSON LARGE 115KV CKT 1	Replace relaying	10/1/2006	6/1/2007
WERE	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	Rebuild 16.66 mile Circleville-Hoyt HTI Junction 115 kV line.	12/1/2006	6/1/2010
WERE	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	Rebuild 15.15 mile line with 1192.5 kcmil ACSR and replace CTs	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 line.	4/1/2007	6/1/2008
WERE	COUNTY LINE - HOOK JCT 115KV CKT 1	Tear down / rebuild 2.52-mile County Line-Hook Jct 115 kV line, 1192 ACSR	6/1/2011	6/1/2011
WERE	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	Replace County Line Transformer	6/1/2008	6/1/2008
WERE	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	2nd Dearing 138-69 kV Transformer	12/1/2011	6/1/2009
WERE	Evans - Grant - Chisolm Rebuild and Conversion Project	Build Evans - Grant 138 kV line, Convert Grant - Chisolm 69 kV line to 138 kV, Install New Grant 138/69 kV XFM	6/1/2012	6/1/2009
WERE	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	Rebuild Gill-Gill Jct	6/1/2007	6/1/2008
WERE	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	Rebuild 5.56-mile line, 954 ACSR	6/1/2007	6/1/2008
WERE	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	Rebuild 1.52-mile Hook Jct-TEC 115 kV line, 1192.5 ACSR	6/1/2011	6/1/2011
WERE	KELLY - KING HILL N.M. COOP 115KV CKT 1	Rebuild 9.61-mile line, 1192.5 ACSR	6/1/2010	6/1/2010
WERE	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	Install second Lawrence Hill 230-115 kV transformer.	6/1/2016	6/1/2011
WERE	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV C	Tear down and rebuild 6.40 mile Mockingbird-Stull Tap 115 kV line.	10/1/2007	6/1/2008
WERE	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	Rebuild 9.84-mile line, 1192.5 ACSR	10/1/2007	6/1/2008
WERE	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	Uprate 0.24 mile TEC-Tecumseh Hill 115 kV line to 100 degree operation.	6/1/2011	6/1/2011
WFEC	CARTER JCT CAPACITOR	Increase 6 to 24 MVAR at Carter JCT	6/1/2011	6/1/2011
WFEC	GYPSUM - RUSSELL 69KV CKT 1	Reconductor 1/0 to 336 ACSR - 3.1 miles	6/1/2014	6/1/2014
WFEC	WOODWARD - WOODWARD 69KV CKT 1	Replace the 336.4 conductor with 795	6/1/2007	10/1/2008

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

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

Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	Reset Relays @ 36th & Lewis	6/1/2016	6/1/2016
AEPW	CACHE - SNYDER 138KV CKT 1	Replace Snyder wavetrap	6/1/2008	6/1/2008
AEPW	EAST CENTRAL HENRYETTA - OKMULGEE 138KV CKT 1	Replace Okmulgee Wavetrap	12/1/2006	12/1/2006
AEPW	EAST CENTRAL HENRYETTA - WELEETKA 138KV CKT 1	Replace Weleetka Wavetrap	6/1/2007	6/1/2007
AEPW	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	Reconductor 1.9 miles with ACCC. Replace wave trap jumpers at Riverside.	6/1/2009	6/1/2009
AEPW	FULTON - HOPE 115KV CKT 1	Replace conductor in Hope Substation	6/1/2010	6/1/2010
EMDE	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	Reconductor Oronogo 59467 to Riverton 59469 with Bundled 556 ACSR	6/1/2011	6/1/2011
GRRD	412SUB - KANSAS TAP 161KV CKT 1	Reconductor 9.7 miles with 1590MCM ACSR.	6/1/2015	6/1/2015
GRRD	412SUB - KERR 161KV CKT 1	Reconductor 12.5 miles with 1590MCM ACSR	6/1/2015	6/1/2015
KACP	COLLEGE - CRAIG 161KV CKT 1	Reconductor 4 miles with 1192.5 ACSS, 558 normal/emergency rating and upgrade breaker.	6/1/2016	6/1/2016
OKGE	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	Reconductor .92miles of line with Drake ACCC/TW.	6/1/2009	6/1/2009
OKGE	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	Reconductor 1.82 miles line with Drake ACCC/TW.	6/1/2009	6/1/2009
OKGE	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	OGE would rebuild .18 miles of 267AS33 with 795AS33. This would raise OGE's summer and winter Rate B to 2	6/1/2006	4/1/2008
OKGE	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	Replace bus tie with 100MVA transformer	6/1/2006	6/1/2008
WERE	STRANGER CREEK - NW LEAVENWORTH 115KV	Rebuild 11.62-mile Jarbalo-NW Leavenworth 115 kV line and tap in & out of Stranger 115 kV	6/1/2010	6/1/2010
WFEC	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	Upgrade terminal equipment FPL Sw & Mooreland	6/1/2006	4/1/2008
WFEC	FT SUPPLY 138/69KV TRANSFORMER CKT 1	Install 2nd 70 MVA auto at Ft Supply	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 (EOC)	Estimated Engineering & Construction Cost
	NONE						

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

Upgrade: ALUMAX TAP - BANN 138KV CKT 1
Limiting Facility: ALUMAX TAP - BANN 138KV CKT 1
Direction: From->To
Line Outage: SPP-AEPW-29
Flowgate: 53245532501SPP-AEPW-292107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	0.5	0.5

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	5
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	COMANCHE 69KV	63	0.01239	-0.09997	5
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	SOUTHWESTERN STATION 138KV	327	0.01212	-0.0997	5
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	WEATHERFORD 34KV	148	0.01152	-0.0991	5
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	WELSH 345KV	990	0.01228	-0.09986	5
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	COGENTRIX 345KV	665	0.00882	-0.0964	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	FITZHUGH 161KV	126	0.00382	-0.0914	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	FLINT CREEK 161KV	420	0.00713	-0.09471	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	L&D13 69KV	11	0.00482	-0.0924	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	NORTHEASTERN STATION 138KV	95	0.00807	-0.09565	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	NORTHEASTERN STATION 138KV	405	0.00807	-0.09565	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	NORTHEASTERN STATION 345KV	645	0.00807	-0.09565	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	OEC 345KV	256	0.00854	-0.09612	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	RIVERSIDE STATION 138KV	646	0.00877	-0.09635	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	TULSA POWER STATION 138KV	147	0.0087	-0.09628	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	TULSA POWER STATION 138KV	85	0.0087	-0.09628	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	WELEETKA 138KV	70	0.00961	-0.09719	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	LEBROCK 345KV	365	-0.00885	-0.07873	7
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	NARROWS 69KV	22	-0.00837	-0.07921	7
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	PIRKEY GENERATION 138KV	475	-0.01311	-0.07447	7
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	COMANCHE 138KV	160	0.01244	-0.07321	7
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	COMANCHE 69KV	63	0.01239	-0.07316	7
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	SOUTHWESTERN STATION 138KV	327	0.01212	-0.07289	7
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	WELSH 345KV	990	0.01228	-0.07305	7
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	ARSENAL HILL 69KV	15	-0.02242	-0.06516	8
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	EASTMAN 138KV	155	-0.01562	-0.07196	8
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	KNOXLEE 138KV	247.241	-0.01564	-0.07194	8
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	WILKES 345KV	311	-0.01738	-0.0702	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	COGENTRIX 345KV	665	0.00882	-0.06959	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	FITZHUGH 161KV	126	0.00382	-0.06459	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	FLINT CREEK 161KV	420	0.00713	-0.0679	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	L&D13 69KV	11	0.00482	-0.06559	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	NORTHEASTERN STATION 138KV	405	0.00807	-0.06884	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	NORTHEASTERN STATION 138KV	95	0.00807	-0.06884	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	NORTHEASTERN STATION 345KV	645	0.00807	-0.06884	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	OEC 345KV	256	0.00854	-0.06931	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	RIVERSIDE STATION 138KV	646	0.00877	-0.06954	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	TULSA POWER STATION 138KV	147	0.0087	-0.06947	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	TULSA POWER STATION 138KV	85	0.0087	-0.06947	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	WEATHERFORD 34KV	148	0.01152	-0.07229	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	WELEETKA 138KV	70	0.00961	-0.07038	8
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	LIEBERMAN 138KV	91	-0.02651	-0.06107	9
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	LEBROCK 345KV	365	-0.00885	-0.05192	10
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	NARROWS 69KV	22	-0.00837	-0.0524	10
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	PIRKEY GENERATION 138KV	475	-0.01311	-0.04766	11
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	EASTMAN 138KV	155	-0.01562	-0.04515	12
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	KNOXLEE 138KV	247.241	-0.01564	-0.04513	12
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	WILKES 345KV	311	-0.01738	-0.04339	13
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	COMANCHE 138KV	160	0.01244	-0.03895	14
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	COMANCHE 69KV	63	0.01239	-0.0389	14
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	SOUTHWESTERN STATION 138KV	327	0.01212	-0.03863	14
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	WEATHERFORD 34KV	148	0.01152	-0.03803	14
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	WELSH 345KV	990	0.01228	-0.03879	14
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	COMANCHE 138KV	160	0.01244	-0.03991	14
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	COMANCHE 69KV	63	0.01239	-0.03986	14
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	SOUTHWESTERN STATION 138KV	327	0.01212	-0.03959	14
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	WEATHERFORD 34KV	148	0.01152	-0.03899	14
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	WELSH 345KV	990	0.01228	-0.03975	14
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	ARSENAL HILL 69KV	15	-0.02242	-0.03835	14
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	COGENTRIX 345KV	665	0.00882	-0.03533	15
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	RIVERSIDE STATION 138KV	646	0.00877	-0.03528	15
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	TULSA POWER STATION 138KV	85	0.0087	-0.03521	15
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	TULSA POWER STATION 138KV	147	0.0087	-0.03521	15
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	WELEETKA 138KV	70	0.00961	-0.03612	15
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	COGENTRIX 345KV	665	0.00882	-0.03629	15
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	NORTHEASTERN STATION 138KV	405	0.00807	-0.03554	15
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	NORTHEASTERN STATION 138KV	95	0.00807	-0.03554	15
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	NORTHEASTERN STATION 345KV	645	0.00807	-0.03554	15
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	OEC 345KV	256	0.00854	-0.03601	15
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	RIVERSIDE STATION 138KV	646	0.00877	-0.03624	15
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	TULSA POWER STATION 138KV	85	0.0087	-0.03617	15
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	TULSA POWER STATION 138KV	147	0.0087	-0.03617	15
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	WELEETKA 138KV	70	0.00961	-0.03708	15
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	COMANCHE 138KV	160	0.01244	-0.03486	16
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	COMANCHE 69KV	63	0.01239	-0.03481	16
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	SOUTHWESTERN STATION 138KV	327	0.01212	-0.03454	16
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	WEATHERFORD 34KV	148	0.01152	-0.03394	16
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	WELSH 345KV	990	0.01228	-0.0347	16
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	FLINT CREEK 161KV	420	0.00713	-0.03364	16
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	NORTHEASTERN STATION 138KV	95	0.00807	-0.03458	16
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	NORTHEASTERN STATION 138KV	405	0.00807	-0.03458	16
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	NORTHEASTERN STATION 345KV	645	0.00807	-0.03458	16
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	OEC 345KV	256	0.00854	-0.03505	16
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	LIEBERMAN 138KV	91	-0.02651	-0.03426	16
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	COGENTRIX 345KV	665	0.00882	-0.03124	17
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	RIVERSIDE STATION 138KV	646	0.00877	-0.03119	17
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	TULSA POWER STATION 138KV	85	0.0087	-0.03112	17
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	TULSA POWER STATION 138KV	147	0.0087	-0.03112	17
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	WELEETKA 138KV	70	0.00961	-0.03203	17
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	L&D13 69KV	11	0.00482	-0.03133	17

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

AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	NORTHEASTERN STATION 138KV	95	0.00807	-0.03049	18
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	NORTHEASTERN STATION 138KV	405	0.00807	-0.03049	18
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	NORTHEASTERN STATION 345KV	645	0.00807	-0.03049	18
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	OEC 345KV	256	0.00854	-0.03096	18
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	FITZHUGH 161KV	126	0.00382	-0.03033	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: 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	0.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	COGENTRIX 345KV	665	0.00882	-0.0964	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	COMANCHE 138KV	160	0.01244	-0.10002	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	COMANCHE 69KV	63	0.01239	-0.09997	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	FITZHUGH 161KV	126	0.00382	-0.0914	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	FLINT CREEK 161KV	420	0.00713	-0.09471	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	L&D13 69KV	11	0.00482	-0.0924	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	NORTHEASTERN STATION 138KV	95	0.00807	-0.09565	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	NORTHEASTERN STATION 138KV	405	0.00807	-0.09565	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	NORTHEASTERN STATION 345KV	645	0.00807	-0.09565	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	OEC 345KV	256	0.00854	-0.09612	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	RIVERSIDE STATION 138KV	646	0.00877	-0.09635	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	SOUTHWESTERN STATION 138KV	327	0.01212	-0.0997	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	TULSA POWER STATION 138KV	147	0.0087	-0.09628	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	TULSA POWER STATION 138KV	85	0.0087	-0.09628	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	WEATHERFORD 34KV	148	0.01152	-0.0991	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	WELEETKA 138KV	70	0.00961	-0.09719	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	WELSH 345KV	990	0.01228	-0.09986	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	LEBROCK 345KV	365	-0.00885	-0.07873	7
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	NARROWS 69KV	22	-0.00837	-0.07921	7
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	EASTMAN 138KV	155	-0.01562	-0.07196	8
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	KNOXLEE 138KV	247.241	-0.01564	-0.07194	8
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	PIRKEY GENERATION 138KV	475	-0.01311	-0.07447	8
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	WILKES 345KV	311	-0.01738	-0.0702	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	COGENTRIX 345KV	665	0.00882	-0.06959	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	COMANCHE 138KV	160	0.01244	-0.07321	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	COMANCHE 69KV	63	0.01239	-0.07316	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	NORTHEASTERN STATION 138KV	405	0.00807	-0.06884	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	NORTHEASTERN STATION 138KV	95	0.00807	-0.06884	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	NORTHEASTERN STATION 345KV	645	0.00807	-0.06884	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	OEC 345KV	256	0.00854	-0.06931	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	RIVERSIDE STATION 138KV	646	0.00877	-0.06954	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	SOUTHWESTERN STATION 138KV	327	0.01212	-0.07289	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	TULSA POWER STATION 138KV	85	0.0087	-0.06947	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	TULSA POWER STATION 138KV	147	0.0087	-0.06947	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	WEATHERFORD 34KV	148	0.01152	-0.07229	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	WELEETKA 138KV	70	0.00961	-0.07038	8
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	WELSH 345KV	990	0.01228	-0.07305	8
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	ARSENAL HILL 69KV	15	-0.02242	-0.06516	9
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	FITZHUGH 161KV	126	0.00382	-0.06459	9
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	FLINT CREEK 161KV	420	0.00713	-0.0679	9
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	L&D13 69KV	11	0.00482	-0.06559	9
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	LIEBERMAN 138KV	91	-0.02651	-0.06107	10
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	LEBROCK 345KV	365	-0.00885	-0.05192	11
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	NARROWS 69KV	22	-0.00837	-0.0524	11
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	PIRKEY GENERATION 138KV	475	-0.01311	-0.04766	12
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	EASTMAN 138KV	155	-0.01562	-0.04515	13
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	KNOXLEE 138KV	247.241	-0.01564	-0.04513	13
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	WILKES 345KV	311	-0.01738	-0.04339	13
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	COMANCHE 138KV	160	0.01244	-0.03895	15
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	COMANCHE 69KV	63	0.01239	-0.0389	15
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	SOUTHWESTERN STATION 138KV	327	0.01212	-0.03863	15
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	WEATHERFORD 34KV	148	0.01152	-0.03803	15
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	WELSH 345KV	990	0.01228	-0.03879	15
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	COMANCHE 138KV	160	0.01244	-0.03991	15
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	COMANCHE 69KV	63	0.01239	-0.03986	15
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	SOUTHWESTERN STATION 138KV	327	0.01212	-0.03959	15
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	WEATHERFORD 34KV	148	0.01152	-0.03899	15
AEPW	NORTH MARSHALL 69KV	5	-0.02747	AEPW	WELSH 345KV	990	0.01228	-0.03975	15
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	ARSENAL HILL 69KV	15	-0.02242	-0.03835	15
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	COGENTRIX 345KV	665	0.00882	-0.03533	16
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	WELEETKA 138KV	70	0.00961	-0.03612	16
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	COMANCHE 138KV	160	0.01244	-0.03486	17
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	COMANCHE 69KV	63	0.01239	-0.03481	17
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	SOUTHWESTERN STATION 138KV	327	0.01212	-0.03454	17
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	WEATHERFORD 34KV	148	0.01152	-0.03394	17
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	WELSH 345KV	990	0.01228	-0.0347	17
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	FLINT CREEK 161KV	420	0.00713	-0.03364	17
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	NORTHEASTERN STATION 138KV	95	0.00807	-0.03458	17
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	NORTHEASTERN STATION 138KV	405	0.00807	-0.03458	17
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	NORTHEASTERN STATION 345KV	645	0.00807	-0.03458	17
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	OEC 345KV	256	0.00854	-0.03505	17
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	RIVERSIDE STATION 138KV	646	0.00877	-0.03528	17
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	TULSA POWER STATION 138KV	147	0.0087	-0.03521	17
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	TULSA POWER STATION 138KV	85	0.0087	-0.03521	17
AEPW	WILKES 138KV	115.7095	-0.06077	AEPW	LIEBERMAN 138KV	91	-0.02651	-0.03426	17
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	WELEETKA 138KV	70	0.00961	-0.03203	18
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	COGENTRIX 345KV	665	0.00882	-0.03124	19
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	NORTHEASTERN STATION 138KV	95	0.00807	-0.03049	19
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	NORTHEASTERN STATION 138KV	405	0.00807	-0.03049	19
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	NORTHEASTERN STATION 345KV	645	0.00807	-0.03049	19

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

AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	OEC 345KV	256	0.00854	-0.03096	19
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	RIVERSIDE STATION 138KV	646	0.00877	-0.03119	19
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	TULSA POWER STATION 138KV	147	0.0087	-0.03112	19
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	TULSA POWER STATION 138KV	85	0.0087	-0.03112	19
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	FITZHUGH 161KV	126	0.00382	-0.03033	19
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	L&D13 69KV	11	0.00482	-0.03133	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: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Limiting Facility: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Direction: To->From
Line Outage: CONCORDIA - EAST MANHATTAN 230KV CKT 1
Flowgate: 5715257165158758568614106WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090964	0.4	0.6
1090965	0.1	0.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CHANUTE 69KV	35.344	0.0049	-0.68367	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF AUGUSTA 69KV	17.25201	-0.00257	-0.6762	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF BURLINGTON 69KV	4.8	0.00867	-0.68744	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF ERIE 69KV	1.998	0.0049	-0.68367	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF FREDONIA 69KV	1.298	0.00395	-0.68272	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF GIRARD 69KV	1.493	0.00603	-0.6848	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF IOLA 69KV	13.978	0.00565	-0.68442	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF MULVANE 69KV	3.694	0.0042	-0.68297	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF WELLINGTON 69KV	24	0.00412	-0.68289	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00867	-0.68744	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	EVANS ENERGY CENTER 138KV	186.5015	0.00621	-0.68498	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	HUTCHINSON ENERGY CENTER 115KV	40	0.01314	-0.69191	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.71356	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.71387	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.02858	-0.70735	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	LAWRENCE ENERGY CENTER 230KV	225.8381	0.0289	-0.70767	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.72262	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	WACO 138KV	17.953	0.00491	-0.68368	1
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CHANUTE 69KV	35.344	0.0049	-0.33092	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF AUGUSTA 69KV	17.25201	-0.00257	-0.32345	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF BURLINGTON 69KV	4.8	0.00867	-0.33469	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF ERIE 69KV	1.998	0.0049	-0.33092	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF FREDONIA 69KV	1.298	0.00395	-0.32997	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF GIRARD 69KV	1.493	0.00603	-0.33205	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF IOLA 69KV	13.978	0.00565	-0.33167	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF MULVANE 69KV	3.694	0.0042	-0.33022	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF WELLINGTON 69KV	24	0.00412	-0.33014	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00867	-0.33469	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	EVANS ENERGY CENTER 138KV	186.5015	0.00621	-0.33223	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	HUTCHINSON ENERGY CENTER 115KV	40	0.01314	-0.33916	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.36081	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.36112	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.02858	-0.3546	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	LAWRENCE ENERGY CENTER 230KV	225.8381	0.0289	-0.35492	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.36987	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	WACO 138KV	17.953	0.00491	-0.33093	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CHANUTE 69KV	35.344	0.0049	-0.31231	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF AUGUSTA 69KV	17.25201	-0.00257	-0.30484	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF BURLINGTON 69KV	4.8	0.00867	-0.31608	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF ERIE 69KV	1.998	0.0049	-0.31231	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF FREDONIA 69KV	1.298	0.00395	-0.31136	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF GIRARD 69KV	1.493	0.00603	-0.31344	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF IOLA 69KV	13.978	0.00565	-0.31306	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF MULVANE 69KV	3.694	0.0042	-0.31161	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF WELLINGTON 69KV	24	0.00412	-0.31153	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00867	-0.31608	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	EVANS ENERGY CENTER 138KV	186.5015	0.00621	-0.31362	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	HUTCHINSON ENERGY CENTER 115KV	40	0.01314	-0.32055	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.3422	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.34251	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.02858	-0.33599	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	LAWRENCE ENERGY CENTER 230KV	225.8381	0.0289	-0.33631	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.35126	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	WACO 138KV	17.953	0.00491	-0.31232	2
WEPL	CLIFTON 115KV	70	-0.18783	WEPL	A. M. MULLERGREN GENERATOR 115KV	16.98418	-0.00794	-0.17989	3
WEPL	CLIFTON 115KV	70	-0.18783	WEPL	GRAY COUNTY WIND FARM 115KV	63	-0.00425	-0.18358	3
WEPL	CLIFTON 115KV	70	-0.18783	WEPL	JUDSON LARGE 115KV	49.57841	-0.00424	-0.18359	3
WEPL	GREENLEAF 115KV	14.2	-0.21396	WEPL	A. M. MULLERGREN GENERATOR 115KV	16.98418	-0.00794	-0.20602	3
WEPL	GREENLEAF 115KV	14.2	-0.21396	WEPL	GRAY COUNTY WIND FARM 115KV	63	-0.00425	-0.20971	3
WEPL	GREENLEAF 115KV	14.2	-0.21396	WEPL	JUDSON LARGE 115KV	49.57841	-0.00424	-0.20972	3
WEPL	BELOIT 115KV	16.6	-0.12777	WEPL	A. M. MULLERGREN GENERATOR 115KV	16.98418	-0.00794	-0.11983	5
WEPL	BELOIT 115KV	16.6	-0.12777	WEPL	GRAY COUNTY WIND FARM 115KV	63	-0.00425	-0.12352	5
WEPL	BELOIT 115KV	16.6	-0.12777	WEPL	JUDSON LARGE 115KV	49.57841	-0.00424	-0.12353	5
WEPL	SMITH CENTER 115KV	6.15	-0.09237	WEPL	GRAY COUNTY WIND FARM 115KV	63	-0.00425	-0.08812	6
WEPL	SMITH CENTER 115KV	6.15	-0.09237	WEPL	JUDSON LARGE 115KV	49.57841	-0.00424	-0.08813	6
WEPL	SMITH CENTER 115KV	6.15	-0.09237	WEPL	A. M. MULLERGREN GENERATOR 115KV	16.98418	-0.00794	-0.08443	7
WERE	GETTY 69KV	35	-0.00741	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.05126	11
WERE	CITY OF AUGUSTA 69KV	10.08799	-0.00257	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.04642	12
WERE	GETTY 69KV	35	-0.00741	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.04251	13
WERE	ST JOHN 115KV	7.5	-0.00006	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.04391	13
WERE	CITY OF FREDONIA 69KV	8.996	0.00395	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.0399	14
WERE	CITY OF MULVANE 69KV	12.096	0.0042	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03965	14
WERE	CITY OF WELLINGTON 69KV	19.5	0.00412	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03973	14
WERE	CITY OF WINFIELD 69KV	40	0.00321	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.04064	14
WERE	GETTY 69KV	35	-0.00741	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.0422	14
WERE	CHANUTE 69KV	52.456	0.0049	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03895	15
WERE	CITY OF AUGUSTA 69KV	10.08799	-0.00257	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.03736	15
WERE	CITY OF AUGUSTA 69KV	10.08799	-0.00257	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.03767	15

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

WERE	CITY OF ERIE 69KV	24.532	0.0049	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03895	15
WERE	CITY OF GIRARD 69KV	9.207	0.00603	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03782	15
WERE	CITY OF IOLA 69KV	23.65	0.00565	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.0382	15
WERE	EVANS ENERGY CENTER 138KV	606.4985	0.00621	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03764	15
WERE	GILL ENERGY CENTER 138KV	218	0.00476	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03909	15
WERE	GILL ENERGY CENTER 69KV	118	0.00471	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03914	15
WERE	LATHAM1234.0 345KV	150	0.00589	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03796	15
WERE	NEOSHO ENERGY CENTER 138KV	67	0.00568	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03817	15
WERE	CITY OF BURLINGTON 69KV	7.7	0.00867	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03518	16
WERE	GETTY 69KV	35	-0.00741	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.02858	-0.03599	16
WERE	GETTY 69KV	35	-0.00741	WERE	LAWRENCE ENERGY CENTER 230KV	225.8381	0.0289	-0.03631	16
WEPL	RUSSELL 115KV	27.9	-0.03929	WEPL	GRAY COUNTY WIND FARM 115KV	63	-0.00425	-0.03504	16
WEPL	RUSSELL 115KV	27.9	-0.03929	WEPL	JUDSON LARGE 115KV	49.57841	-0.00424	-0.03505	16
WERE	ST JOHN 115KV	7.5	-0.00006	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.03485	16
WERE	ST JOHN 115KV	7.5	-0.00006	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.03516	16
WERE	CITY OF AUGUSTA 69KV	10.08799	-0.00257	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.02858	-0.03115	18
WERE	CITY OF AUGUSTA 69KV	10.08799	-0.00257	WERE	LAWRENCE ENERGY CENTER 230KV	225.8381	0.0289	-0.03147	18
WERE	CITY OF FREDONIA 69KV	8.996	0.00395	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.03115	18
WERE	CITY OF MULVANE 69KV	12.096	0.0042	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.0309	18
WERE	CITY OF WELLINGTON 69KV	19.5	0.00412	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.03098	18
WERE	CITY OF WINFIELD 69KV	40	0.00321	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.03158	18
WERE	CITY OF WINFIELD 69KV	40	0.00321	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.03189	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: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Limiting Facility: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Direction: To->From
Line Outage: CONCORDIA (CONCORD6) 230/115/13.8KV TRANSFORMER CKT 1
Flowgate: 57152571651CONCNCORD66314106WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090964	0.4	0.5
1090965	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	BROWN COUNTY 115KV	5.5	-0.32602	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.36081	1
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.36112	1
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.36987	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CHANUTE 69KV	35.344	0.0049	-0.68367	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF AUGUSTA 69KV	17.25201	-0.00257	-0.6762	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF BURLINGTON 69KV	4.8	0.00867	-0.68744	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF ERIE 69KV	1.998	0.0049	-0.68367	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF FREDONIA 69KV	1.298	0.00395	-0.68272	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF GIRARD 69KV	1.493	0.00603	-0.6848	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF IOLA 69KV	13.978	0.00565	-0.68442	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF MULVANE 69KV	3.694	0.0042	-0.68297	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	CITY OF WELLINGTON 69KV	24	0.00412	-0.68289	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00867	-0.68744	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	EVANS ENERGY CENTER 138KV	186.5015	0.00621	-0.68498	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	HUTCHINSON ENERGY CENTER 115KV	40	0.01314	-0.69191	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.71356	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.71387	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.02858	-0.70735	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	LAWRENCE ENERGY CENTER 230KV	225.8381	0.0289	-0.70767	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.72262	1
WERE	HOLTON 115KV	19.8	-0.67877	WERE	WACO 138KV	17.953	0.00491	-0.68368	1
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CHANUTE 69KV	35.344	0.0049	-0.33092	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF AUGUSTA 69KV	17.25201	-0.00257	-0.32345	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF BURLINGTON 69KV	4.8	0.00867	-0.33469	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF ERIE 69KV	1.998	0.0049	-0.33092	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF FREDONIA 69KV	1.298	0.00395	-0.32997	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF GIRARD 69KV	1.493	0.00603	-0.33205	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF IOLA 69KV	13.978	0.00565	-0.33167	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF MULVANE 69KV	3.694	0.0042	-0.33022	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	CITY OF WELLINGTON 69KV	24	0.00412	-0.33014	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00867	-0.33469	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	EVANS ENERGY CENTER 138KV	186.5015	0.00621	-0.33223	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	HUTCHINSON ENERGY CENTER 115KV	40	0.01314	-0.33916	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.02858	-0.3546	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	LAWRENCE ENERGY CENTER 230KV	225.8381	0.0289	-0.35492	2
WERE	BROWN COUNTY 115KV	5.5	-0.32602	WERE	WACO 138KV	17.953	0.00491	-0.33093	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CHANUTE 69KV	35.344	0.0049	-0.31231	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF AUGUSTA 69KV	17.25201	-0.00257	-0.30484	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF BURLINGTON 69KV	4.8	0.00867	-0.31608	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF ERIE 69KV	1.998	0.0049	-0.31231	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF FREDONIA 69KV	1.298	0.00395	-0.31136	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF GIRARD 69KV	1.493	0.00603	-0.31344	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF IOLA 69KV	13.978	0.00565	-0.31306	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF MULVANE 69KV	3.694	0.0042	-0.31161	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	CITY OF WELLINGTON 69KV	24	0.00412	-0.31153	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00867	-0.31608	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	EVANS ENERGY CENTER 138KV	186.5015	0.00621	-0.31362	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	HUTCHINSON ENERGY CENTER 115KV	40	0.01314	-0.32055	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.3422	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.34251	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.02858	-0.33599	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	LAWRENCE ENERGY CENTER 230KV	225.8381	0.0289	-0.33631	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.35126	2
WERE	SOUTH SENECA 115KV	16.7	-0.30741	WERE	WACO 138KV	17.953	0.00491	-0.31232	2
WEPL	CLIFTON 115KV	70	-0.18783	WEPL	A. M. MULLERGREN GENERATOR 115KV	16.98418	-0.00794	-0.17989	3
WEPL	CLIFTON 115KV	70	-0.18783	WEPL	GRAY COUNTY WIND FARM 115KV	63	-0.00425	-0.18358	3
WEPL	CLIFTON 115KV	70	-0.18783	WEPL	JUDSON LARGE 115KV	49.57841	-0.00424	-0.18359	3
WEPL	GREENLEAF 115KV	14.2	-0.21396	WEPL	A. M. MULLERGREN GENERATOR 115KV	16.98418	-0.00794	-0.20602	3
WEPL	GREENLEAF 115KV	14.2	-0.21396	WEPL	GRAY COUNTY WIND FARM 115KV	63	-0.00425	-0.20971	3
WEPL	GREENLEAF 115KV	14.2	-0.21396	WEPL	JUDSON LARGE 115KV	49.57841	-0.00424	-0.20972	3
WEPL	BELOIT 115KV	16.6	-0.12777	WEPL	GRAY COUNTY WIND FARM 115KV	63	-0.00425	-0.12352	4
WEPL	BELOIT 115KV	16.6	-0.12777	WEPL	JUDSON LARGE 115KV	49.57841	-0.00424	-0.12353	4

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

WEPL	BELOIT 115KV	16.6	-0.12777	WEPL	A. M. MULLERGREN GENERATOR 115KV	16.98418	-0.00794	-0.11983	5
WEPL	SMITH CENTER 115KV	6.15	-0.09237	WEPL	A. M. MULLERGREN GENERATOR 115KV	16.98418	-0.00794	-0.08443	6
WEPL	SMITH CENTER 115KV	6.15	-0.09237	WEPL	GRAY COUNTY WIND FARM 115KV	63	-0.00425	-0.08812	6
WEPL	SMITH CENTER 115KV	6.15	-0.09237	WEPL	JUDSON LARGE 115KV	49.57841	-0.00424	-0.08813	6
WERE	GETTY 69KV	35	-0.00741	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.05126	11
WERE	CITY OF AUGUSTA 69KV	10.08799	-0.00257	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.04642	12
WERE	ST JOHN 115KV	7.5	-0.00006	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.04391	12
WERE	CITY OF WINFIELD 69KV	40	0.00321	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.04064	13
WERE	GETTY 69KV	35	-0.00741	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.0422	13
WERE	GETTY 69KV	35	-0.00741	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.04251	13
WERE	CHANUTE 69KV	52.456	0.0049	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03895	14
WERE	CITY OF AUGUSTA 69KV	10.08799	-0.00257	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.03736	14
WERE	CITY OF AUGUSTA 69KV	10.08799	-0.00257	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.03767	14
WERE	CITY OF ERIE 69KV	24.532	0.0049	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03895	14
WERE	CITY OF FREDONIA 69KV	8.996	0.00395	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.0399	14
WERE	CITY OF GIRARD 69KV	9.207	0.00603	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03782	14
WERE	CITY OF IOLA 69KV	23.65	0.00565	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.0382	14
WERE	CITY OF MULVANE 69KV	12.096	0.0042	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03965	14
WERE	CITY OF WELLINGTON 69KV	19.5	0.00412	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03973	14
WERE	EVANS ENERGY CENTER 138KV	606.4985	0.00621	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03764	14
WERE	GILL ENERGY CENTER 138KV	218	0.00476	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03909	14
WERE	GILL ENERGY CENTER 69KV	118	0.00471	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03914	14
WERE	LATHAM1234.0 345KV	150	0.00589	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03796	14
WERE	NEOSHO ENERGY CENTER 138KV	67	0.00568	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03817	14
WERE	CITY OF BURLINGTON 69KV	7.7	0.00867	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.04385	-0.03518	15
WERE	GETTY 69KV	35	-0.00741	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.02858	-0.03599	15
WERE	GETTY 69KV	35	-0.00741	WERE	LAWRENCE ENERGY CENTER 230KV	225.8381	0.0289	-0.03631	15
WEPL	RUSSELL 115KV	27.9	-0.03929	WEPL	GRAY COUNTY WIND FARM 115KV	63	-0.00425	-0.03504	15
WEPL	RUSSELL 115KV	27.9	-0.03929	WEPL	JUDSON LARGE 115KV	49.57841	-0.00424	-0.03505	15
WERE	ST JOHN 115KV	7.5	-0.00006	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.03485	15
WERE	ST JOHN 115KV	7.5	-0.00006	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.03516	15
WERE	CITY OF AUGUSTA 69KV	10.08799	-0.00257	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.02858	-0.03115	17
WERE	CITY OF AUGUSTA 69KV	10.08799	-0.00257	WERE	LAWRENCE ENERGY CENTER 230KV	225.8381	0.0289	-0.03147	17
WERE	CITY OF FREDONIA 69KV	8.996	0.00395	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.03084	17
WERE	CITY OF FREDONIA 69KV	8.996	0.00395	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.03115	17
WERE	CITY OF MULVANE 69KV	12.096	0.0042	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.0309	17
WERE	CITY OF WELLINGTON 69KV	19.5	0.00412	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0351	-0.03098	17
WERE	CITY OF WINFIELD 69KV	40	0.00321	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03479	-0.03158	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: 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
1090817	1.1	3.0
1090964	1.5	3.0
1090965	0.4	3.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CHANUTE 69KV	46.617	-0.00046	-0.86901	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF AUGUSTA 69KV	20.02	0.00074	-0.87021	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF BURLINGTON 69KV	4.8	-0.00075	-0.86872	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF ERIE 69KV	23.258	-0.00046	-0.86901	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF FREDONIA 69KV	2.496	-0.00041	-0.86906	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF GIRARD 69KV	2.989	-0.00069	-0.86878	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF IOLA 69KV	19.865	-0.0005	-0.86897	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF MULVANE 69KV	6.189	-0.00131	-0.86816	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00166	-0.86781	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CLAY CENTER JUNCTION 115KV	11.825	-0.01018	-0.85929	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00075	-0.86872	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	EVANS ENERGY CENTER 138KV	269.458	-0.00154	-0.86793	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	GILL ENERGY CENTER 138KV	77	-0.00221	-0.86726	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00344	-0.86603	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00347	-0.866	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	LAWRENCE ENERGY CENTER 115KV	60	-0.00099	-0.86848	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	-0.00137	-0.8681	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00054	-0.86893	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	WACO 138KV	17.947	-0.00214	-0.86733	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	HUTCHINSON ENERGY CENTER 115KV	80.00001	-0.02718	-0.84229	4
WEPL	GREENLEAF 115KV	14.2	-0.61704	WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.05418	-0.56286	5
WEPL	GREENLEAF 115KV	14.2	-0.61704	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.02828	-0.58876	5
WEPL	GREENLEAF 115KV	14.2	-0.61704	WEPL	JUDSON LARGE 115KV	100.4559	-0.02824	-0.5888	5
WEPL	CLIFTON 115KV	70	-0.54644	WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.05418	-0.49226	6
WEPL	CLIFTON 115KV	70	-0.54644	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.02828	-0.51816	6
WEPL	CLIFTON 115KV	70	-0.54644	WEPL	JUDSON LARGE 115KV	100.4559	-0.02824	-0.5182	6
WEPL	BELOIT 115KV	16.6	-0.38422	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.02828	-0.35594	8
WEPL	BELOIT 115KV	16.6	-0.38422	WEPL	JUDSON LARGE 115KV	100.4559	-0.02824	-0.35598	8
WEPL	BELOIT 115KV	16.6	-0.38422	WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.05418	-0.33004	9
WEPL	SMITH CENTER 115KV	6.15	-0.28859	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.02828	-0.26031	12
WEPL	SMITH CENTER 115KV	6.15	-0.28859	WEPL	JUDSON LARGE 115KV	100.4559	-0.02824	-0.26035	12
WEPL	SMITH CENTER 115KV	6.15	-0.28859	WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.05418	-0.23441	13
WEPL	RUSSELL 115KV	27.9	-0.14122	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.02828	-0.11294	27
WEPL	RUSSELL 115KV	27.9	-0.14122	WEPL	JUDSON LARGE 115KV	100.4559	-0.02824	-0.11298	27
WEPL	RUSSELL 115KV	27.9	-0.14122	WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.05418	-0.08704	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: 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

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

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

Reservation	Relief Amount	Aggregate Relief Amount
1090817	1.1	3.0
1090964	1.5	3.0
1090965	0.4	3.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CHANUTE 69KV	46.617	-0.00046	-0.86901	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF AUGUSTA 69KV	20.02	0.00074	-0.87021	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF BURLINGTON 69KV	4.8	-0.00075	-0.86872	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF ERIE 69KV	23.258	-0.00046	-0.86901	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF FREDONIA 69KV	2.496	-0.00041	-0.86906	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF GIRARD 69KV	2.989	-0.00069	-0.86878	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF IOLA 69KV	19.865	-0.0005	-0.86897	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF MULVANE 69KV	6.189	-0.00131	-0.86816	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00166	-0.86781	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	CLAY CENTER JUNCTION 115KV	11.825	-0.01018	-0.85929	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00075	-0.86872	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	EVANS ENERGY CENTER 138KV	269.458	-0.00154	-0.86793	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	GILL ENERGY CENTER 138KV	77	-0.00221	-0.86726	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00344	-0.86603	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00347	-0.866	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	LAWRENCE ENERGY CENTER 115KV	60	-0.00099	-0.86848	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	-0.00137	-0.8681	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00054	-0.86893	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	WACO 138KV	17.947	-0.00214	-0.86733	3
WERE	SOUTH SENECA 115KV	16.7	-0.86947	WERE	HUTCHINSON ENERGY CENTER 115KV	80.00001	-0.02718	-0.84229	4
WEPL	GREENLEAF 115KV	14.2	-0.61704	WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.05418	-0.56286	5
WEPL	GREENLEAF 115KV	14.2	-0.61704	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.02828	-0.58876	5
WEPL	GREENLEAF 115KV	14.2	-0.61704	WEPL	JUDSON LARGE 115KV	100.4559	-0.02824	-0.5888	5
WEPL	CLIFTON 115KV	70	-0.54644	WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.05418	-0.49226	6
WEPL	CLIFTON 115KV	70	-0.54644	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.02828	-0.51816	6
WEPL	CLIFTON 115KV	70	-0.54644	WEPL	JUDSON LARGE 115KV	100.4559	-0.02824	-0.5182	6
WEPL	BELOIT 115KV	16.6	-0.38422	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.02828	-0.35594	8
WEPL	BELOIT 115KV	16.6	-0.38422	WEPL	JUDSON LARGE 115KV	100.4559	-0.02824	-0.35598	8
WEPL	BELOIT 115KV	16.6	-0.38422	WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.05418	-0.33004	9
WEPL	SMITH CENTER 115KV	6.15	-0.28859	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.02828	-0.26031	12
WEPL	SMITH CENTER 115KV	6.15	-0.28859	WEPL	JUDSON LARGE 115KV	100.4559	-0.02824	-0.26035	12
WEPL	SMITH CENTER 115KV	6.15	-0.28859	WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.05418	-0.23441	13
WEPL	RUSSELL 115KV	27.9	-0.14122	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.02828	-0.11294	27
WEPL	RUSSELL 115KV	27.9	-0.14122	WEPL	JUDSON LARGE 115KV	100.4559	-0.02824	-0.11298	27
WEPL	RUSSELL 115KV	27.9	-0.14122	WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.05418	-0.08704	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: CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & Potter - Roosevelt 345KV &
Upgrade: ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: NICHOLS STATION 230/115KV TRANSFORMER CKT 2
Direction: From->To
Line Outage: NICHOLS STATION 230/115KV TRANSFORMER CKT 1
Flowgate: 5091450915250915509141140 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090315	0.7	1.6
1090454	0.8	1.6
1090456	0.2	1.6

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	5
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	NICHOLS 230KV	147	0.0453	-0.29593	5
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	CAPROCK 115KV	8	0.00003	-0.25066	6
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	CUNNINGHAM 115KV	110	0.00113	-0.25176	6
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	CUNNINGHAM 115KV	71	0.00113	-0.25176	6
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	CUNNINGHAM 230KV	306	0.00116	-0.25179	6
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	JONES 230KV	486	-0.00006	-0.25057	6
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	LP-BRND2 69KV	80	-0.00012	-0.25051	6
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	MADOX 115KV	183	0.00113	-0.25176	6
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	MUSTANG 115KV	300	0.00105	-0.25168	6
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	MUSTG5 118.0 230KV	360	0.00114	-0.25177	6
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	PLANTX 115KV	216.7153	0.00011	-0.25074	6
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	PLANTX 230KV	189	0.00233	-0.25296	6
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	SAN JUAN 230KV	12	0.00116	-0.25179	6
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	TOLK 230KV	1037.425	0.00184	-0.25247	6
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	WILWIND 230KV	16	0.00669	-0.25732	6
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	BLACKHAWK 115KV	220	-0.04889	-0.20174	8
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	HUBRCO2 69KV	11	-0.05429	-0.19634	8
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	MOORE COUNTY 115KV	48	-0.05468	-0.19595	8
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	SIDRCH 69KV	20	-0.05429	-0.19634	8
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	CZ 69KV	39	-0.11779	-0.13284	12
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	NICHOLS 230KV	147	0.0453	-0.10004	16
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	HARRINGTON 230KV	1066	0.04045	-0.09519	17
SPS	NICHOLS 115KV	66.00001	-0.25063	SPS	STEER WATER 115KV	8	-0.18585	-0.06478	24
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	WILWIND 230KV	16	0.00669	-0.06143	26
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	CUNNINGHAM 115KV	71	0.00113	-0.05587	28
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	CUNNINGHAM 115KV	110	0.00113	-0.05587	28
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	CUNNINGHAM 230KV	306	0.00116	-0.0559	28
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	MADOX 115KV	183	0.00113	-0.05587	28
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	MUSTANG 115KV	300	0.00105	-0.05579	28
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	MUSTG5 118.0 230KV	360	0.00114	-0.05588	28
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	PLANTX 230KV	189	0.00233	-0.05707	28
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	SAN JUAN 230KV	12	0.00116	-0.0559	28
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	TOLK 230KV	1037.425	0.00184	-0.05658	28
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	JONES 230KV	486	-0.00006	-0.05468	29
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	LP-BRND2 69KV	80	-0.00012	-0.05462	29
SPS	RIVERVIEW 69KV	23	-0.05474	SPS	PLANTX 115KV	216.7153	0.00011	-0.05485	29

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

SPS	LP-BRND2 69KV	152	-0.00012	SPS	NICHOLS 230KV	147	0.0453	-0.04542	35
SPS	PLANTX 115KV	36.28467	0.00011	SPS	NICHOLS 230KV	147	0.0453	-0.04519	35
SPS	TUCUMCARI 115KV	15	0.00003	SPS	NICHOLS 230KV	147	0.0453	-0.04527	35
SPS	CARLSBAD 69KV	18	0.00124	SPS	NICHOLS 230KV	147	0.0453	-0.04406	36
SPS	TOLK 230KV	42.57498	0.00184	SPS	NICHOLS 230KV	147	0.0453	-0.04346	36
SPS	LP-BRND2 69KV	152	-0.00012	SPS	HARRINGTON 230KV	1066	0.04045	-0.04057	39
SPS	PLANTX 115KV	36.28467	0.00011	SPS	HARRINGTON 230KV	1066	0.04045	-0.04034	39
SPS	TUCUMCARI 115KV	15	0.00003	SPS	HARRINGTON 230KV	1066	0.04045	-0.04042	39
SPS	CARLSBAD 69KV	18	0.00124	SPS	HARRINGTON 230KV	1066	0.04045	-0.03921	40
SPS	TOLK 230KV	42.57498	0.00184	SPS	HARRINGTON 230KV	1066	0.04045	-0.03861	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: CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & Potter - Roosevelt 345KV &
Upgrade: ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: RANDALL COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: AMARILLO S INTERCHANGE - NICHOLS STATION 230KV CKT 1
Flowgate: 5102051021151041509151441 1SP
Date Redispatch Needed: 6/1/11 - 10/1/11
Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090298	0.1	0.2
1090322	0.2	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	-0.04811	SPS	HARRINGTON 230KV	1066	0.06914	-0.11725	2
SPS	CARLSBAD 69KV	18	-0.04811	SPS	NICHOLS 230KV	206.8042	0.06613	-0.11424	2
SPS	LP-BRND2 69KV	108	-0.05974	SPS	HARRINGTON 230KV	1066	0.06914	-0.12888	2
SPS	LP-BRND2 69KV	108	-0.05974	SPS	NICHOLS 230KV	206.8042	0.06613	-0.12587	2
SPS	MADOX 115KV	10	-0.04936	SPS	HARRINGTON 230KV	1066	0.06914	-0.1185	2
SPS	MADOX 115KV	10	-0.04936	SPS	NICHOLS 230KV	206.8042	0.06613	-0.11549	2
SPS	MUSTG5 118.0 230KV	150	-0.0496	SPS	HARRINGTON 230KV	1066	0.06914	-0.11874	2
SPS	MUSTG5 118.0 230KV	150	-0.0496	SPS	NICHOLS 230KV	206.8042	0.06613	-0.11573	2
SPS	TOLK 230KV	56.03098	-0.04435	SPS	HARRINGTON 230KV	1066	0.06914	-0.11349	2
SPS	TOLK 230KV	56.03098	-0.04435	SPS	NICHOLS 230KV	206.8042	0.06613	-0.11048	2
SPS	TUCUMCARI 115KV	15	-0.04714	SPS	HARRINGTON 230KV	1066	0.06914	-0.11628	2
SPS	TUCUMCARI 115KV	15	-0.04714	SPS	NICHOLS 230KV	206.8042	0.06613	-0.11327	2
SPS	CARLSBAD 69KV	18	-0.04811	SPS	BLACKHAWK 115KV	220	0.03036	-0.07847	3
SPS	CARLSBAD 69KV	18	-0.04811	SPS	HUBRCO2 69KV	11	0.02831	-0.07642	3
SPS	CARLSBAD 69KV	18	-0.04811	SPS	MOORE COUNTY 115KV	48	0.02283	-0.07094	3
SPS	CARLSBAD 69KV	18	-0.04811	SPS	SIDRCH 69KV	20	0.02831	-0.07642	3
SPS	LP-BRND2 69KV	108	-0.05974	SPS	BLACKHAWK 115KV	220	0.03036	-0.0901	3
SPS	LP-BRND2 69KV	108	-0.05974	SPS	HUBRCO2 69KV	11	0.02831	-0.08805	3
SPS	LP-BRND2 69KV	108	-0.05974	SPS	MOORE COUNTY 115KV	48	0.02283	-0.08257	3
SPS	LP-BRND2 69KV	108	-0.05974	SPS	SIDRCH 69KV	20	0.02831	-0.08805	3
SPS	MADOX 115KV	10	-0.04936	SPS	BLACKHAWK 115KV	220	0.03036	-0.07972	3
SPS	MADOX 115KV	10	-0.04936	SPS	HUBRCO2 69KV	11	0.02831	-0.07767	3
SPS	MADOX 115KV	10	-0.04936	SPS	MOORE COUNTY 115KV	48	0.02283	-0.07219	3
SPS	MADOX 115KV	10	-0.04936	SPS	SIDRCH 69KV	20	0.02831	-0.07767	3
SPS	MUSTG5 118.0 230KV	150	-0.0496	SPS	BLACKHAWK 115KV	220	0.03036	-0.07996	3
SPS	MUSTG5 118.0 230KV	150	-0.0496	SPS	HUBRCO2 69KV	11	0.02831	-0.07791	3
SPS	MUSTG5 118.0 230KV	150	-0.0496	SPS	MOORE COUNTY 115KV	48	0.02283	-0.07243	3
SPS	MUSTG5 118.0 230KV	150	-0.0496	SPS	SIDRCH 69KV	20	0.02831	-0.07791	3
SPS	TOLK 230KV	56.03098	-0.04435	SPS	BLACKHAWK 115KV	220	0.03036	-0.07471	3
SPS	TOLK 230KV	56.03098	-0.04435	SPS	HUBRCO2 69KV	11	0.02831	-0.07266	3
SPS	TOLK 230KV	56.03098	-0.04435	SPS	SIDRCH 69KV	20	0.02831	-0.07266	3
SPS	TUCUMCARI 115KV	15	-0.04714	SPS	BLACKHAWK 115KV	220	0.03036	-0.0775	3
SPS	TUCUMCARI 115KV	15	-0.04714	SPS	HUBRCO2 69KV	11	0.02831	-0.07545	3
SPS	TUCUMCARI 115KV	15	-0.04714	SPS	MOORE COUNTY 115KV	48	0.02283	-0.06997	3
SPS	TUCUMCARI 115KV	15	-0.04714	SPS	SIDRCH 69KV	20	0.02831	-0.07545	3
SPS	LP-BRND2 69KV	108	-0.05974	SPS	CZ 69KV	39	0.00194	-0.06168	4
SPS	LP-BRND2 69KV	108	-0.05974	SPS	WILWIND 230KV	16	-0.00251	-0.05723	4
SPS	TOLK 230KV	56.03098	-0.04435	SPS	MOORE COUNTY 115KV	48	0.02283	-0.06718	4
SPS	CARLSBAD 69KV	18	-0.04811	SPS	CZ 69KV	39	0.00194	-0.05005	5
SPS	CARLSBAD 69KV	18	-0.04811	SPS	WILWIND 230KV	16	-0.00251	-0.0456	5
SPS	MADOX 115KV	10	-0.04936	SPS	CZ 69KV	39	0.00194	-0.0513	5
SPS	MADOX 115KV	10	-0.04936	SPS	WILWIND 230KV	16	-0.00251	-0.04685	5
SPS	MUSTG5 118.0 230KV	150	-0.0496	SPS	CZ 69KV	39	0.00194	-0.05154	5
SPS	MUSTG5 118.0 230KV	150	-0.0496	SPS	WILWIND 230KV	16	-0.00251	-0.04709	5
SPS	TOLK 230KV	56.03098	-0.04435	SPS	CZ 69KV	39	0.00194	-0.04629	5
SPS	TUCUMCARI 115KV	15	-0.04714	SPS	CZ 69KV	39	0.00194	-0.04908	5
SPS	TUCUMCARI 115KV	15	-0.04714	SPS	WILWIND 230KV	16	-0.00251	-0.04463	5
SPS	LP-BRND2 69KV	108	-0.05974	SPS	STEER WATER 115KV	8	-0.02069	-0.03905	6
SPS	RIVERVIEW 69KV	23	0.02812	SPS	HARRINGTON 230KV	1066	0.06914	-0.04102	6
SPS	RIVERVIEW 69KV	23	0.02812	SPS	NICHOLS 230KV	206.8042	0.06613	-0.03801	6
SPS	TOLK 230KV	56.03098	-0.04435	SPS	WILWIND 230KV	16	-0.00251	-0.04184	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: CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & Potter - Roosevelt 345KV &
Upgrade: ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: CANYON EAST - OSAGE SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 5108051014150993508871441 1SP
Date Redispatch Needed: 6/1/11 - 10/1/11
Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090298	0.1	0.2
1090301	0.1	0.2
1090322	0.0	0.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	TOLK 230KV	56.03098	-0.06911	SPS	NICHOLS 115KV	213	0.03664	-0.10575	1

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

SPS	TUCUMCARI 115KV	15	-0.09417	SPS	BLACKHAWK 115KV	220	0.03033	-0.1245	1
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	CZ 69KV	39	0.03046	-0.12463	1
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	HARRINGTON 230KV	1066	0.02921	-0.12338	1
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	HUBRCO2 69KV	11	0.03053	-0.1247	1
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	MOORE COUNTY 115KV	48	0.02818	-0.12235	1
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	NICHOLS 115KV	213	0.03664	-0.13081	1
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	NICHOLS 230KV	206.8042	0.02922	-0.12339	1
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	SIDRCH 69KV	20	0.03053	-0.1247	1
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	STEER WATER 115KV	8	0.03362	-0.12779	1
SPS	CARLSBAD 69KV	18	-0.06594	SPS	BLACKHAWK 115KV	220	0.03033	-0.09627	2
SPS	CARLSBAD 69KV	18	-0.06594	SPS	CZ 69KV	39	0.03046	-0.0964	2
SPS	CARLSBAD 69KV	18	-0.06594	SPS	HARRINGTON 230KV	1066	0.02921	-0.09515	2
SPS	CARLSBAD 69KV	18	-0.06594	SPS	HUBRCO2 69KV	11	0.03053	-0.09647	2
SPS	CARLSBAD 69KV	18	-0.06594	SPS	MOORE COUNTY 115KV	48	0.02818	-0.09412	2
SPS	CARLSBAD 69KV	18	-0.06594	SPS	NICHOLS 115KV	213	0.03664	-0.10258	2
SPS	CARLSBAD 69KV	18	-0.06594	SPS	NICHOLS 230KV	206.8042	0.02922	-0.09516	2
SPS	CARLSBAD 69KV	18	-0.06594	SPS	SIDRCH 69KV	20	0.03053	-0.09647	2
SPS	CARLSBAD 69KV	18	-0.06594	SPS	STEER WATER 115KV	8	0.03362	-0.09956	2
SPS	LP-BRND2 69KV	108	-0.04643	SPS	BLACKHAWK 115KV	220	0.03033	-0.07676	2
SPS	LP-BRND2 69KV	108	-0.04643	SPS	CZ 69KV	39	0.03046	-0.07689	2
SPS	LP-BRND2 69KV	108	-0.04643	SPS	HARRINGTON 230KV	1066	0.02921	-0.07564	2
SPS	LP-BRND2 69KV	108	-0.04643	SPS	HUBRCO2 69KV	11	0.03053	-0.07696	2
SPS	LP-BRND2 69KV	108	-0.04643	SPS	MOORE COUNTY 115KV	48	0.02818	-0.07461	2
SPS	LP-BRND2 69KV	108	-0.04643	SPS	NICHOLS 115KV	213	0.03664	-0.08307	2
SPS	LP-BRND2 69KV	108	-0.04643	SPS	NICHOLS 230KV	206.8042	0.02922	-0.07565	2
SPS	LP-BRND2 69KV	108	-0.04643	SPS	SIDRCH 69KV	20	0.03053	-0.07696	2
SPS	LP-BRND2 69KV	108	-0.04643	SPS	STEER WATER 115KV	8	0.03362	-0.08005	2
SPS	MADOX 115KV	10	-0.06315	SPS	BLACKHAWK 115KV	220	0.03033	-0.09348	2
SPS	MADOX 115KV	10	-0.06315	SPS	CZ 69KV	39	0.03046	-0.09361	2
SPS	MADOX 115KV	10	-0.06315	SPS	HARRINGTON 230KV	1066	0.02921	-0.09236	2
SPS	MADOX 115KV	10	-0.06315	SPS	HUBRCO2 69KV	11	0.03053	-0.09368	2
SPS	MADOX 115KV	10	-0.06315	SPS	MOORE COUNTY 115KV	48	0.02818	-0.09133	2
SPS	MADOX 115KV	10	-0.06315	SPS	NICHOLS 115KV	213	0.03664	-0.09979	2
SPS	MADOX 115KV	10	-0.06315	SPS	NICHOLS 230KV	206.8042	0.02922	-0.09237	2
SPS	MADOX 115KV	10	-0.06315	SPS	SIDRCH 69KV	20	0.03053	-0.09368	2
SPS	MADOX 115KV	10	-0.06315	SPS	STEER WATER 115KV	8	0.03362	-0.09677	2
SPS	MUSTG5 118.0 230KV	150	-0.06204	SPS	BLACKHAWK 115KV	220	0.03033	-0.09237	2
SPS	MUSTG5 118.0 230KV	150	-0.06204	SPS	CZ 69KV	39	0.03046	-0.0925	2
SPS	MUSTG5 118.0 230KV	150	-0.06204	SPS	HARRINGTON 230KV	1066	0.02921	-0.09125	2
SPS	MUSTG5 118.0 230KV	150	-0.06204	SPS	HUBRCO2 69KV	11	0.03053	-0.09257	2
SPS	MUSTG5 118.0 230KV	150	-0.06204	SPS	MOORE COUNTY 115KV	48	0.02818	-0.09022	2
SPS	MUSTG5 118.0 230KV	150	-0.06204	SPS	NICHOLS 115KV	213	0.03664	-0.09868	2
SPS	MUSTG5 118.0 230KV	150	-0.06204	SPS	NICHOLS 230KV	206.8042	0.02922	-0.09126	2
SPS	MUSTG5 118.0 230KV	150	-0.06204	SPS	SIDRCH 69KV	20	0.03053	-0.09257	2
SPS	MUSTG5 118.0 230KV	150	-0.06204	SPS	STEER WATER 115KV	8	0.03362	-0.09566	2
SPS	TOLK 230KV	56.03098	-0.06911	SPS	BLACKHAWK 115KV	220	0.03033	-0.09944	2
SPS	TOLK 230KV	56.03098	-0.06911	SPS	CZ 69KV	39	0.03046	-0.09957	2
SPS	TOLK 230KV	56.03098	-0.06911	SPS	HARRINGTON 230KV	1066	0.02921	-0.09832	2
SPS	TOLK 230KV	56.03098	-0.06911	SPS	HUBRCO2 69KV	11	0.03053	-0.09964	2
SPS	TOLK 230KV	56.03098	-0.06911	SPS	MOORE COUNTY 115KV	48	0.02818	-0.09729	2
SPS	TOLK 230KV	56.03098	-0.06911	SPS	NICHOLS 230KV	206.8042	0.02922	-0.09833	2
SPS	TOLK 230KV	56.03098	-0.06911	SPS	SIDRCH 69KV	20	0.03053	-0.09964	2
SPS	TOLK 230KV	56.03098	-0.06911	SPS	STEER WATER 115KV	8	0.03362	-0.10273	2
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	JONES 230KV	486	-0.04716	-0.04701	3
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	LP-BRND2 69KV	124	-0.04643	-0.04774	3
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	CUNNINGHAM 115KV	110	-0.06324	-0.03093	5
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	CUNNINGHAM 115KV	71	-0.06324	-0.03093	5
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	CUNNINGHAM 230KV	306	-0.06368	-0.03049	5
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	MADOX 115KV	183	-0.06315	-0.03102	5
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	MUSTANG 115KV	300	-0.06132	-0.03285	5
SPS	TUCUMCARI 115KV	15	-0.09417	SPS	MUSTG5 118.0 230KV	310	-0.06204	-0.03213	5

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

Upgrade: CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & Potter - Roosevelt 345KV &
Upgrade: ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: CANYON EAST - OSAGE SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: BUSHLAND INTERCHANGE - DEAF SMITH INTERCHANGE 230KV CKT 1
Flowgate: 5108051014150993511111 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	0.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	CARLSBAD 69KV	18	-0.09296	SPS	BLACKHAWK 115KV	220	0.04276	-0.13572	2
SPS	CARLSBAD 69KV	18	-0.09296	SPS	CZ 69KV	35	0.04297	-0.13593	2
SPS	CARLSBAD 69KV	18	-0.09296	SPS	HARRINGTON 230KV	706	0.04113	-0.13409	2
SPS	CARLSBAD 69KV	18	-0.09296	SPS	HUBRCO2 69KV	5	0.04303	-0.13599	2
SPS	CARLSBAD 69KV	18	-0.09296	SPS	SIDRCH 69KV	14	0.04303	-0.13599	2
SPS	CARLSBAD 69KV	18	-0.09296	SPS	STEER WATER 115KV	36	0.04732	-0.14028	2
SPS	CARLSBAD 69KV	18	-0.09296	SPS	WILWIND 230KV	72	0.03907	-0.13203	2
SPS	CUNNINGHAM 115KV	71	-0.0894	SPS	BLACKHAWK 115KV	220	0.04276	-0.13216	2
SPS	CUNNINGHAM 115KV	110	-0.0894	SPS	BLACKHAWK 115KV	220	0.04276	-0.13216	2
SPS	CUNNINGHAM 115KV	71	-0.0894	SPS	CZ 69KV	35	0.04297	-0.13237	2
SPS	CUNNINGHAM 115KV	110	-0.0894	SPS	CZ 69KV	35	0.04297	-0.13237	2
SPS	CUNNINGHAM 115KV	71	-0.0894	SPS	HARRINGTON 230KV	706	0.04113	-0.13053	2
SPS	CUNNINGHAM 115KV	110	-0.0894	SPS	HARRINGTON 230KV	706	0.04113	-0.13053	2
SPS	CUNNINGHAM 115KV	71	-0.0894	SPS	HUBRCO2 69KV	5	0.04303	-0.13243	2
SPS	CUNNINGHAM 115KV	110	-0.0894	SPS	HUBRCO2 69KV	5	0.04303	-0.13243	2
SPS	CUNNINGHAM 115KV	71	-0.0894	SPS	SIDRCH 69KV	14	0.04303	-0.13243	2
SPS	CUNNINGHAM 115KV	110	-0.0894	SPS	SIDRCH 69KV	14	0.04303	-0.13243	2
SPS	CUNNINGHAM 115KV	71	-0.0894	SPS	STEER WATER 115KV	36	0.04732	-0.13672	2
SPS	CUNNINGHAM 115KV	110	-0.0894	SPS	STEER WATER 115KV	36	0.04732	-0.13672	2
SPS	CUNNINGHAM 115KV	71	-0.0894	SPS	WILWIND 230KV	72	0.03907	-0.12847	2
SPS	CUNNINGHAM 115KV	110	-0.0894	SPS	WILWIND 230KV	72	0.03907	-0.12847	2
SPS	CUNNINGHAM 230KV	250	-0.08998	SPS	BLACKHAWK 115KV	220	0.04276	-0.13274	2
SPS	CUNNINGHAM 230KV	250	-0.08998	SPS	CZ 69KV	35	0.04297	-0.13295	2

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

SPS	CUNNINGHAM 230KV	250	-0.08998	SPS	HARRINGTON 230KV	706	0.04113	-0.13111	2
SPS	CUNNINGHAM 230KV	250	-0.08998	SPS	HUBRCO2 69KV	5	0.04303	-0.13301	2
SPS	CUNNINGHAM 230KV	250	-0.08998	SPS	SIDRCH 69KV	14	0.04303	-0.13301	2
SPS	CUNNINGHAM 230KV	250	-0.08998	SPS	STEER WATER 115KV	36	0.04732	-0.1373	2
SPS	CUNNINGHAM 230KV	250	-0.08998	SPS	WILWIND 230KV	72	0.03907	-0.12905	2
SPS	JONES 230KV	382	-0.06697	SPS	STEER WATER 115KV	36	0.04732	-0.11429	2
SPS	LP-BRND2 69KV	172	-0.06592	SPS	STEER WATER 115KV	36	0.04732	-0.11324	2
SPS	MADOX 115KV	193	-0.08928	SPS	BLACKHAWK 115KV	220	0.04276	-0.13204	2
SPS	MADOX 115KV	193	-0.08928	SPS	CZ 69KV	35	0.04297	-0.13225	2
SPS	MADOX 115KV	193	-0.08928	SPS	HARRINGTON 230KV	706	0.04113	-0.13041	2
SPS	MADOX 115KV	193	-0.08928	SPS	HUBRCO2 69KV	5	0.04303	-0.13231	2
SPS	MADOX 115KV	193	-0.08928	SPS	SIDRCH 69KV	14	0.04303	-0.13231	2
SPS	MADOX 115KV	193	-0.08928	SPS	STEER WATER 115KV	36	0.04732	-0.1366	2
SPS	MADOX 115KV	193	-0.08928	SPS	WILWIND 230KV	72	0.03907	-0.12835	2
SPS	MUSTG5 118.0 230KV	384.3735	-0.08787	SPS	BLACKHAWK 115KV	220	0.04276	-0.13063	2
SPS	MUSTG5 118.0 230KV	384.3735	-0.08787	SPS	CZ 69KV	35	0.04297	-0.13084	2
SPS	MUSTG5 118.0 230KV	384.3735	-0.08787	SPS	HARRINGTON 230KV	706	0.04113	-0.129	2
SPS	MUSTG5 118.0 230KV	384.3735	-0.08787	SPS	HUBRCO2 69KV	5	0.04303	-0.1309	2
SPS	MUSTG5 118.0 230KV	384.3735	-0.08787	SPS	SIDRCH 69KV	14	0.04303	-0.1309	2
SPS	MUSTG5 118.0 230KV	384.3735	-0.08787	SPS	STEER WATER 115KV	36	0.04732	-0.13519	2
SPS	MUSTG5 118.0 230KV	384.3735	-0.08787	SPS	WILWIND 230KV	72	0.03907	-0.12694	2
SPS	PLANTX 115KV	253	-0.10435	SPS	BLACKHAWK 115KV	220	0.04276	-0.14711	2
SPS	PLANTX 115KV	253	-0.10435	SPS	CZ 69KV	35	0.04297	-0.14732	2
SPS	PLANTX 115KV	253	-0.10435	SPS	HARRINGTON 230KV	706	0.04113	-0.14548	2
SPS	PLANTX 115KV	253	-0.10435	SPS	HUBRCO2 69KV	5	0.04303	-0.14738	2
SPS	PLANTX 115KV	253	-0.10435	SPS	SIDRCH 69KV	14	0.04303	-0.14738	2
SPS	PLANTX 115KV	253	-0.10435	SPS	STEER WATER 115KV	36	0.04732	-0.15167	2
SPS	PLANTX 115KV	253	-0.10435	SPS	WILWIND 230KV	72	0.03907	-0.14342	2
SPS	PLANTX 230KV	189	-0.10013	SPS	BLACKHAWK 115KV	220	0.04276	-0.14289	2
SPS	PLANTX 230KV	189	-0.10013	SPS	CZ 69KV	35	0.04297	-0.1431	2
SPS	PLANTX 230KV	189	-0.10013	SPS	HARRINGTON 230KV	706	0.04113	-0.14126	2
SPS	PLANTX 230KV	189	-0.10013	SPS	HUBRCO2 69KV	5	0.04303	-0.14316	2
SPS	PLANTX 230KV	189	-0.10013	SPS	SIDRCH 69KV	14	0.04303	-0.14316	2
SPS	PLANTX 230KV	189	-0.10013	SPS	STEER WATER 115KV	36	0.04732	-0.14745	2
SPS	PLANTX 230KV	189	-0.10013	SPS	WILWIND 230KV	72	0.03907	-0.1392	2
SPS	TOLK 230KV	67.80276	-0.09794	SPS	BLACKHAWK 115KV	220	0.04276	-0.1407	2
SPS	TOLK 230KV	67.80276	-0.09794	SPS	CZ 69KV	35	0.04297	-0.14091	2
SPS	TOLK 230KV	67.80276	-0.09794	SPS	HARRINGTON 230KV	706	0.04113	-0.13907	2
SPS	TOLK 230KV	67.80276	-0.09794	SPS	HUBRCO2 69KV	5	0.04303	-0.14097	2
SPS	TOLK 230KV	67.80276	-0.09794	SPS	SIDRCH 69KV	14	0.04303	-0.14097	2
SPS	TOLK 230KV	67.80276	-0.09794	SPS	STEER WATER 115KV	36	0.04732	-0.14526	2
SPS	TOLK 230KV	67.80276	-0.09794	SPS	WILWIND 230KV	72	0.03907	-0.13701	2
SPS	TUCUMCARI 115KV	15	-0.12636	SPS	BLACKHAWK 115KV	220	0.04276	-0.16912	2
SPS	TUCUMCARI 115KV	15	-0.12636	SPS	CZ 69KV	35	0.04297	-0.16933	2
SPS	TUCUMCARI 115KV	15	-0.12636	SPS	HARRINGTON 230KV	706	0.04113	-0.16749	2
SPS	TUCUMCARI 115KV	15	-0.12636	SPS	HUBRCO2 69KV	5	0.04303	-0.16939	2
SPS	TUCUMCARI 115KV	15	-0.12636	SPS	SIDRCH 69KV	14	0.04303	-0.16939	2
SPS	TUCUMCARI 115KV	15	-0.12636	SPS	STEER WATER 115KV	36	0.04732	-0.17368	2
SPS	TUCUMCARI 115KV	15	-0.12636	SPS	WILWIND 230KV	72	0.03907	-0.16543	2
SPS	JONES 230KV	382	-0.06697	SPS	BLACKHAWK 115KV	220	0.04276	-0.10973	3
SPS	JONES 230KV	382	-0.06697	SPS	CZ 69KV	35	0.04297	-0.10994	3
SPS	JONES 230KV	382	-0.06697	SPS	HARRINGTON 230KV	706	0.04113	-0.1081	3
SPS	JONES 230KV	382	-0.06697	SPS	HUBRCO2 69KV	5	0.04303	-0.11	3
SPS	JONES 230KV	382	-0.06697	SPS	SIDRCH 69KV	14	0.04303	-0.11	3
SPS	JONES 230KV	382	-0.06697	SPS	WILWIND 230KV	72	0.03907	-0.10604	3
SPS	LP-BRND2 69KV	172	-0.06592	SPS	BLACKHAWK 115KV	220	0.04276	-0.10868	3
SPS	LP-BRND2 69KV	172	-0.06592	SPS	CZ 69KV	35	0.04297	-0.10889	3
SPS	LP-BRND2 69KV	172	-0.06592	SPS	HARRINGTON 230KV	706	0.04113	-0.10705	3
SPS	LP-BRND2 69KV	172	-0.06592	SPS	HUBRCO2 69KV	5	0.04303	-0.10895	3
SPS	LP-BRND2 69KV	172	-0.06592	SPS	SIDRCH 69KV	14	0.04303	-0.10895	3
SPS	LP-BRND2 69KV	172	-0.06592	SPS	WILWIND 230KV	72	0.03907	-0.10499	3
SPS	TUCUMCARI 115KV	15	-0.12636	SPS	JONES 230KV	104	-0.06697	-0.05939	5
SPS	TUCUMCARI 115KV	15	-0.12636	SPS	LP-BRND2 69KV	60	-0.06592	-0.06044	5
SPS	PLANTX 115KV	253	-0.10435	SPS	LP-BRND2 69KV	60	-0.06592	-0.03843	7
SPS	TUCUMCARI 115KV	15	-0.12636	SPS	MUSTANG 115KV	300	-0.08689	-0.03947	7
SPS	TUCUMCARI 115KV	15	-0.12636	SPS	MUSTG5 118.0 230KV	75.62646	-0.08787	-0.03849	7
SPS	PLANTX 115KV	253	-0.10435	SPS	JONES 230KV	104	-0.06697	-0.03738	8
SPS	PLANTX 230KV	189	-0.10013	SPS	JONES 230KV	104	-0.06697	-0.03316	8
SPS	PLANTX 230KV	189	-0.10013	SPS	LP-BRND2 69KV	60	-0.06592	-0.03421	8
SPS	TUCUMCARI 115KV	15	-0.12636	SPS	CUNNINGHAM 230KV	56	-0.08998	-0.03638	8
SPS	TOLK 230KV	67.80276	-0.09794	SPS	JONES 230KV	104	-0.06697	-0.03097	9
SPS	TOLK 230KV	67.80276	-0.09794	SPS	LP-BRND2 69KV	60	-0.06592	-0.03202	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: CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & Potter - Roosevelt 345KV &
Upgrade: ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
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
1090298	0.7	3.0
1090301	2.3	3.0

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	17
SPS	TUCUMCARI 115KV	15	-0.12643	SPS	CZ 69KV	39	0.0425	-0.16893	17
SPS	TUCUMCARI 115KV	15	-0.12643	SPS	HUBRCO2 69KV	11	0.04268	-0.16911	17
SPS	TUCUMCARI 115KV	15	-0.12643	SPS	NICHOLS 115KV	213	0.05107	-0.1775	17
SPS	TUCUMCARI 115KV	15	-0.12643	SPS	SIDRCH 69KV	20	0.04268	-0.16911	17
SPS	TUCUMCARI 115KV	15	-0.12643	SPS	STEER WATER 115KV	8	0.04689	-0.17332	17
SPS	TUCUMCARI 115KV	15	-0.12643	SPS	HARRINGTON 230KV	1066	0.04079	-0.16722	18
SPS	TUCUMCARI 115KV	15	-0.12643	SPS	MOORE COUNTY 115KV	48	0.03981	-0.16624	18
SPS	TUCUMCARI 115KV	15	-0.12643	SPS	NICHOLS 230KV	162.8462	0.04081	-0.16724	18
SPS	TUCUMCARI 115KV	15	-0.12643	SPS	WILWIND 230KV	16	0.03873	-0.16516	18
SPS	TOLK 230KV	53.00848	-0.09801	SPS	NICHOLS 115KV	213	0.05107	-0.14908	20

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

SPS	TOLK 230KV	53.00848	-0.09801	SPS	STEER WATER 115KV	8	0.04689	-0.1449	20
SPS	CARLSBAD 69KV	18	-0.09297	SPS	NICHOLS 115KV	213	0.05107	-0.14404	21
SPS	CARLSBAD 69KV	18	-0.09297	SPS	STEER WATER 115KV	8	0.04689	-0.13986	21
SPS	MADOX 115KV	10	-0.08927	SPS	NICHOLS 115KV	213	0.05107	-0.14034	21
SPS	MUSTG5 118.0 230KV	150	-0.08785	SPS	NICHOLS 115KV	213	0.05107	-0.13892	21
SPS	TOLK 230KV	53.00848	-0.09801	SPS	BLACKHAWK 115KV	220	0.04241	-0.14042	21
SPS	TOLK 230KV	53.00848	-0.09801	SPS	CZ 69KV	39	0.0425	-0.14051	21
SPS	TOLK 230KV	53.00848	-0.09801	SPS	HARRINGTON 230KV	1066	0.04079	-0.1388	21
SPS	TOLK 230KV	53.00848	-0.09801	SPS	HUBRCO2 69KV	11	0.04268	-0.14069	21
SPS	TOLK 230KV	53.00848	-0.09801	SPS	MOORE COUNTY 115KV	48	0.03981	-0.13782	21
SPS	TOLK 230KV	53.00848	-0.09801	SPS	NICHOLS 230KV	162.8462	0.04081	-0.13882	21
SPS	TOLK 230KV	53.00848	-0.09801	SPS	SIDRCH 69KV	20	0.04268	-0.14069	21
SPS	CARLSBAD 69KV	18	-0.09297	SPS	BLACKHAWK 115KV	220	0.04241	-0.13538	22
SPS	CARLSBAD 69KV	18	-0.09297	SPS	CZ 69KV	39	0.0425	-0.13547	22
SPS	CARLSBAD 69KV	18	-0.09297	SPS	HARRINGTON 230KV	1066	0.04079	-0.13376	22
SPS	CARLSBAD 69KV	18	-0.09297	SPS	HUBRCO2 69KV	11	0.04268	-0.13565	22
SPS	CARLSBAD 69KV	18	-0.09297	SPS	MOORE COUNTY 115KV	48	0.03981	-0.13278	22
SPS	CARLSBAD 69KV	18	-0.09297	SPS	NICHOLS 230KV	162.8462	0.04081	-0.13378	22
SPS	CARLSBAD 69KV	18	-0.09297	SPS	SIDRCH 69KV	20	0.04268	-0.13565	22
SPS	CARLSBAD 69KV	18	-0.09297	SPS	WILWIND 230KV	16	0.03873	-0.1317	22
SPS	MADOX 115KV	10	-0.08927	SPS	BLACKHAWK 115KV	220	0.04241	-0.13168	22
SPS	MADOX 115KV	10	-0.08927	SPS	CZ 69KV	39	0.0425	-0.13177	22
SPS	MADOX 115KV	10	-0.08927	SPS	HUBRCO2 69KV	11	0.04268	-0.13195	22
SPS	MADOX 115KV	10	-0.08927	SPS	SIDRCH 69KV	20	0.04268	-0.13195	22
SPS	MADOX 115KV	10	-0.08927	SPS	STEER WATER 115KV	8	0.04689	-0.13616	22
SPS	MUSTG5 118.0 230KV	150	-0.08785	SPS	STEER WATER 115KV	8	0.04689	-0.13474	22
SPS	TOLK 230KV	53.00848	-0.09801	SPS	WILWIND 230KV	16	0.03873	-0.13674	22
SPS	MADOX 115KV	10	-0.08927	SPS	HARRINGTON 230KV	1066	0.04079	-0.13006	23
SPS	MADOX 115KV	10	-0.08927	SPS	MOORE COUNTY 115KV	48	0.03981	-0.12908	23
SPS	MADOX 115KV	10	-0.08927	SPS	NICHOLS 230KV	162.8462	0.04081	-0.13008	23
SPS	MADOX 115KV	10	-0.08927	SPS	WILWIND 230KV	16	0.03873	-0.128	23
SPS	MUSTG5 118.0 230KV	150	-0.08785	SPS	BLACKHAWK 115KV	220	0.04241	-0.13026	23
SPS	MUSTG5 118.0 230KV	150	-0.08785	SPS	CZ 69KV	39	0.0425	-0.13035	23
SPS	MUSTG5 118.0 230KV	150	-0.08785	SPS	HARRINGTON 230KV	1066	0.04079	-0.12864	23
SPS	MUSTG5 118.0 230KV	150	-0.08785	SPS	HUBRCO2 69KV	11	0.04268	-0.13053	23
SPS	MUSTG5 118.0 230KV	150	-0.08785	SPS	MOORE COUNTY 115KV	48	0.03981	-0.12766	23
SPS	MUSTG5 118.0 230KV	150	-0.08785	SPS	NICHOLS 230KV	162.8462	0.04081	-0.12866	23
SPS	MUSTG5 118.0 230KV	150	-0.08785	SPS	SIDRCH 69KV	20	0.04268	-0.13053	23
SPS	MUSTG5 118.0 230KV	150	-0.08785	SPS	WILWIND 230KV	16	0.03873	-0.12658	23
SPS	LP-BRND2 69KV	108	-0.06585	SPS	NICHOLS 115KV	213	0.05107	-0.11692	25
SPS	LP-BRND2 69KV	108	-0.06585	SPS	BLACKHAWK 115KV	220	0.04241	-0.10826	27
SPS	LP-BRND2 69KV	108	-0.06585	SPS	CZ 69KV	39	0.0425	-0.10835	27
SPS	LP-BRND2 69KV	108	-0.06585	SPS	HUBRCO2 69KV	11	0.04268	-0.10853	27
SPS	LP-BRND2 69KV	108	-0.06585	SPS	SIDRCH 69KV	20	0.04268	-0.10853	27
SPS	LP-BRND2 69KV	108	-0.06585	SPS	HARRINGTON 230KV	1066	0.04079	-0.10664	28
SPS	LP-BRND2 69KV	108	-0.06585	SPS	MOORE COUNTY 115KV	48	0.03981	-0.10566	28
SPS	LP-BRND2 69KV	108	-0.06585	SPS	NICHOLS 230KV	162.8462	0.04081	-0.10666	28
SPS	LP-BRND2 69KV	108	-0.06585	SPS	WILWIND 230KV	16	0.03873	-0.10458	28
SPS	TOLK 230KV	53.00848	-0.09801	SPS	LP-BRND2 69KV	124	-0.06585	-0.03216	92
SPS	TOLK 230KV	53.00848	-0.09801	SPS	JONES 230KV	486	-0.06688	-0.03113	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: CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & Potter - Roosevelt 345KV &
Upgrade: ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: CANYON EAST - OSAGE SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: BUSHLAND INTERCHANGE - DEAF SMITH INTERCHANGE 230KV CKT 1
Flowgate: 5108051014150993511111441 1SP
Date Redispatch Needed: 6/1/11 - 10/1/11
Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090298	0.3	1.6
1090301	0.9	1.6
1090322	0.4	1.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	BLACKHAWK 115KV	220	0.04244	-0.16885	9
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	CZ 69KV	39	0.04253	-0.16894	9
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	HARRINGTON 230KV	1066	0.0408	-0.16721	9
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	HUBRCO2 69KV	11	0.04271	-0.16912	9
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	MOORE COUNTY 115KV	48	0.03984	-0.16625	9
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	NICHOLS 115KV	213	0.05109	-0.1775	9
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	NICHOLS 230KV	206.8042	0.04083	-0.16724	9
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	SIDRCH 69KV	20	0.04271	-0.16912	9
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	STEER WATER 115KV	8	0.04691	-0.17332	9
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	WILWIND 230KV	16	0.03874	-0.16515	10
SPS	CARLSBAD 69KV	18	-0.09297	SPS	NICHOLS 115KV	213	0.05109	-0.14406	11
SPS	CARLSBAD 69KV	18	-0.09297	SPS	STEER WATER 115KV	8	0.04691	-0.13988	11
SPS	MADOX 115KV	10	-0.08926	SPS	NICHOLS 115KV	213	0.05109	-0.14035	11
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	NICHOLS 115KV	213	0.05109	-0.13896	11
SPS	TOLK 230KV	56.03098	-0.09802	SPS	BLACKHAWK 115KV	220	0.04244	-0.14046	11
SPS	TOLK 230KV	56.03098	-0.09802	SPS	CZ 69KV	39	0.04253	-0.14055	11
SPS	TOLK 230KV	56.03098	-0.09802	SPS	HARRINGTON 230KV	1066	0.0408	-0.13882	11
SPS	TOLK 230KV	56.03098	-0.09802	SPS	HUBRCO2 69KV	11	0.04271	-0.14073	11
SPS	TOLK 230KV	56.03098	-0.09802	SPS	MOORE COUNTY 115KV	48	0.03984	-0.13786	11
SPS	TOLK 230KV	56.03098	-0.09802	SPS	NICHOLS 115KV	213	0.05109	-0.14911	11
SPS	TOLK 230KV	56.03098	-0.09802	SPS	NICHOLS 230KV	206.8042	0.04083	-0.13885	11
SPS	TOLK 230KV	56.03098	-0.09802	SPS	SIDRCH 69KV	20	0.04271	-0.14073	11
SPS	TOLK 230KV	56.03098	-0.09802	SPS	STEER WATER 115KV	8	0.04691	-0.14493	11
SPS	TOLK 230KV	56.03098	-0.09802	SPS	WILWIND 230KV	16	0.03874	-0.13676	11
SPS	CARLSBAD 69KV	18	-0.09297	SPS	BLACKHAWK 115KV	220	0.04244	-0.13541	12
SPS	CARLSBAD 69KV	18	-0.09297	SPS	CZ 69KV	39	0.04253	-0.1355	12
SPS	CARLSBAD 69KV	18	-0.09297	SPS	HARRINGTON 230KV	1066	0.0408	-0.13377	12
SPS	CARLSBAD 69KV	18	-0.09297	SPS	HUBRCO2 69KV	11	0.04271	-0.13568	12
SPS	CARLSBAD 69KV	18	-0.09297	SPS	MOORE COUNTY 115KV	48	0.03984	-0.13281	12
SPS	CARLSBAD 69KV	18	-0.09297	SPS	NICHOLS 230KV	206.8042	0.04083	-0.1338	12
SPS	CARLSBAD 69KV	18	-0.09297	SPS	SIDRCH 69KV	20	0.04271	-0.13568	12
SPS	CARLSBAD 69KV	18	-0.09297	SPS	WILWIND 230KV	16	0.03874	-0.13171	12

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

SPS	MADOX 115KV	10	-0.08926	SPS	BLACKHAWK 115KV	220	0.04244	-0.1317	12
SPS	MADOX 115KV	10	-0.08926	SPS	CZ 69KV	39	0.04253	-0.13179	12
SPS	MADOX 115KV	10	-0.08926	SPS	HARRINGTON 230KV	1066	0.0408	-0.13006	12
SPS	MADOX 115KV	10	-0.08926	SPS	HUBRCO2 69KV	11	0.04271	-0.13197	12
SPS	MADOX 115KV	10	-0.08926	SPS	MOORE COUNTY 115KV	48	0.03984	-0.1291	12
SPS	MADOX 115KV	10	-0.08926	SPS	NICHOLS 230KV	206.8042	0.04083	-0.13009	12
SPS	MADOX 115KV	10	-0.08926	SPS	SIDRCH 69KV	20	0.04271	-0.13197	12
SPS	MADOX 115KV	10	-0.08926	SPS	STEER WATER 115KV	8	0.04691	-0.13617	12
SPS	MADOX 115KV	10	-0.08926	SPS	WILWIND 230KV	16	0.03874	-0.128	12
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	BLACKHAWK 115KV	220	0.04244	-0.13031	12
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	CZ 69KV	39	0.04253	-0.1304	12
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	HARRINGTON 230KV	1066	0.0408	-0.12867	12
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	HUBRCO2 69KV	11	0.04271	-0.13058	12
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	MOORE COUNTY 115KV	48	0.03984	-0.12771	12
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	NICHOLS 230KV	206.8042	0.04083	-0.1287	12
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	SIDRCH 69KV	20	0.04271	-0.13058	12
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	STEER WATER 115KV	8	0.04691	-0.13478	12
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	WILWIND 230KV	16	0.03874	-0.12661	12
SPS	LP-BRND2 69KV	108	-0.06585	SPS	NICHOLS 115KV	213	0.05109	-0.11694	13
SPS	LP-BRND2 69KV	108	-0.06585	SPS	HUBRCO2 69KV	11	0.04271	-0.10856	14
SPS	LP-BRND2 69KV	108	-0.06585	SPS	SIDRCH 69KV	20	0.04271	-0.10856	14
SPS	LP-BRND2 69KV	108	-0.06585	SPS	STEER WATER 115KV	8	0.04691	-0.11276	14
SPS	LP-BRND2 69KV	108	-0.06585	SPS	BLACKHAWK 115KV	220	0.04244	-0.10829	15
SPS	LP-BRND2 69KV	108	-0.06585	SPS	CZ 69KV	39	0.04253	-0.10838	15
SPS	LP-BRND2 69KV	108	-0.06585	SPS	HARRINGTON 230KV	1066	0.0408	-0.10665	15
SPS	LP-BRND2 69KV	108	-0.06585	SPS	MOORE COUNTY 115KV	48	0.03984	-0.10569	15
SPS	LP-BRND2 69KV	108	-0.06585	SPS	NICHOLS 230KV	206.8042	0.04083	-0.10668	15
SPS	LP-BRND2 69KV	108	-0.06585	SPS	WILWIND 230KV	16	0.03874	-0.10459	15
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	JONES 230KV	486	-0.06688	-0.05953	26
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	LP-BRND2 69KV	124	-0.06585	-0.06056	26
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	MUSTANG 115KV	300	-0.08682	-0.03959	40
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	MUSTG5 118.0 230KV	310	-0.08787	-0.03854	41
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	CUNNINGHAM 115KV	71	-0.08938	-0.03703	42
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	CUNNINGHAM 115KV	110	-0.08938	-0.03703	42
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	MADOX 115KV	183	-0.08926	-0.03715	42
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	CUNNINGHAM 230KV	306	-0.08998	-0.03643	43
SPS	TOLK 230KV	56.03098	-0.09802	SPS	LP-BRND2 69KV	124	-0.06585	-0.03217	49
SPS	TOLK 230KV	56.03098	-0.09802	SPS	JONES 230KV	486	-0.06688	-0.03114	50

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

Upgrade: CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & Potter - Roosevelt 345KV &
Upgrade: ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: CANYON EAST - CANYON WEST 115KV CKT 1
Direction: From->To
Line Outage: BUSHLAND INTERCHANGE - DEAF SMITH INTERCHANGE 230KV CKT 1
Flowgate: 5108051078150993511111441SP
Date Redispatch Needed: 6/1/11 - 10/1/11
Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090298	0.1	0.7
1090301	0.4	0.7
1090322	0.2	0.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	TOLK 230KV	56.03098	-0.09802	SPS	NICHOLS 115KV	213	0.05109	-0.14911	4
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	BLACKHAWK 115KV	220	0.04244	-0.16885	4
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	CZ 69KV	39	0.04253	-0.16894	4
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	HARRINGTON 230KV	1066	0.0408	-0.16721	4
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	HUBRCO2 69KV	11	0.04271	-0.16912	4
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	MOORE COUNTY 115KV	48	0.03984	-0.16625	4
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	NICHOLS 115KV	213	0.05109	-0.1775	4
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	NICHOLS 230KV	206.8042	0.04083	-0.16724	4
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	SIDRCH 69KV	20	0.04271	-0.16912	4
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	STEER WATER 115KV	8	0.04691	-0.17332	4
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	WILWIND 230KV	16	0.03874	-0.16515	4
SPS	CARLSBAD 69KV	18	-0.09297	SPS	BLACKHAWK 115KV	220	0.04244	-0.13541	5
SPS	CARLSBAD 69KV	18	-0.09297	SPS	CZ 69KV	39	0.04253	-0.1355	5
SPS	CARLSBAD 69KV	18	-0.09297	SPS	HARRINGTON 230KV	1066	0.0408	-0.13377	5
SPS	CARLSBAD 69KV	18	-0.09297	SPS	HUBRCO2 69KV	11	0.04271	-0.13568	5
SPS	CARLSBAD 69KV	18	-0.09297	SPS	MOORE COUNTY 115KV	48	0.03984	-0.13281	5
SPS	CARLSBAD 69KV	18	-0.09297	SPS	NICHOLS 115KV	213	0.05109	-0.14406	5
SPS	CARLSBAD 69KV	18	-0.09297	SPS	NICHOLS 230KV	206.8042	0.04083	-0.1338	5
SPS	CARLSBAD 69KV	18	-0.09297	SPS	SIDRCH 69KV	20	0.04271	-0.13568	5
SPS	CARLSBAD 69KV	18	-0.09297	SPS	STEER WATER 115KV	8	0.04691	-0.13988	5
SPS	CARLSBAD 69KV	18	-0.09297	SPS	WILWIND 230KV	16	0.03874	-0.13171	5
SPS	MADOX 115KV	10	-0.08926	SPS	BLACKHAWK 115KV	220	0.04244	-0.1317	5
SPS	MADOX 115KV	10	-0.08926	SPS	CZ 69KV	39	0.04253	-0.13179	5
SPS	MADOX 115KV	10	-0.08926	SPS	HARRINGTON 230KV	1066	0.0408	-0.13006	5
SPS	MADOX 115KV	10	-0.08926	SPS	HUBRCO2 69KV	11	0.04271	-0.13197	5
SPS	MADOX 115KV	10	-0.08926	SPS	MOORE COUNTY 115KV	48	0.03984	-0.1291	5
SPS	MADOX 115KV	10	-0.08926	SPS	NICHOLS 115KV	213	0.05109	-0.14035	5
SPS	MADOX 115KV	10	-0.08926	SPS	NICHOLS 230KV	206.8042	0.04083	-0.13009	5
SPS	MADOX 115KV	10	-0.08926	SPS	SIDRCH 69KV	20	0.04271	-0.13197	5
SPS	MADOX 115KV	10	-0.08926	SPS	STEER WATER 115KV	8	0.04691	-0.13617	5
SPS	MADOX 115KV	10	-0.08926	SPS	WILWIND 230KV	16	0.03874	-0.128	5
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	BLACKHAWK 115KV	220	0.04244	-0.13031	5
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	CZ 69KV	39	0.04253	-0.1304	5
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	HARRINGTON 230KV	1066	0.0408	-0.12867	5
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	HUBRCO2 69KV	11	0.04271	-0.13058	5
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	MOORE COUNTY 115KV	48	0.03984	-0.12771	5
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	NICHOLS 115KV	213	0.05109	-0.13896	5
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	NICHOLS 230KV	206.8042	0.04083	-0.1287	5
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	SIDRCH 69KV	20	0.04271	-0.13058	5
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	STEER WATER 115KV	8	0.04691	-0.13478	5
SPS	MUSTG5 118.0 230KV	150	-0.08787	SPS	WILWIND 230KV	16	0.03874	-0.12661	5
SPS	TOLK 230KV	56.03098	-0.09802	SPS	BLACKHAWK 115KV	220	0.04244	-0.14046	5
SPS	TOLK 230KV	56.03098	-0.09802	SPS	CZ 69KV	39	0.04253	-0.14055	5
SPS	TOLK 230KV	56.03098	-0.09802	SPS	HARRINGTON 230KV	1066	0.0408	-0.13882	5

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

SPS	TOLK 230KV	56.03098	-0.09802	SPS	HUBRCO2 69KV	11	0.04271	-0.14073	5
SPS	TOLK 230KV	56.03098	-0.09802	SPS	MOORE COUNTY 115KV	48	0.03984	-0.13786	5
SPS	TOLK 230KV	56.03098	-0.09802	SPS	NICHOLS 230KV	206.8042	0.04083	-0.13885	5
SPS	TOLK 230KV	56.03098	-0.09802	SPS	SIDRCH 69KV	20	0.04271	-0.14073	5
SPS	TOLK 230KV	56.03098	-0.09802	SPS	STEER WATER 115KV	8	0.04691	-0.14493	5
SPS	TOLK 230KV	56.03098	-0.09802	SPS	WILWIND 230KV	16	0.03874	-0.13676	5
SPS	LP-BRND2 69KV	108	-0.06585	SPS	BLACKHAWK 115KV	220	0.04244	-0.10829	6
SPS	LP-BRND2 69KV	108	-0.06585	SPS	CZ 69KV	39	0.04253	-0.10838	6
SPS	LP-BRND2 69KV	108	-0.06585	SPS	HARRINGTON 230KV	1066	0.0408	-0.10665	6
SPS	LP-BRND2 69KV	108	-0.06585	SPS	HUBRCO2 69KV	11	0.04271	-0.10856	6
SPS	LP-BRND2 69KV	108	-0.06585	SPS	MOORE COUNTY 115KV	48	0.03984	-0.10569	6
SPS	LP-BRND2 69KV	108	-0.06585	SPS	NICHOLS 115KV	213	0.05109	-0.11694	6
SPS	LP-BRND2 69KV	108	-0.06585	SPS	NICHOLS 230KV	206.8042	0.04083	-0.10668	6
SPS	LP-BRND2 69KV	108	-0.06585	SPS	SIDRCH 69KV	20	0.04271	-0.10856	6
SPS	LP-BRND2 69KV	108	-0.06585	SPS	STEER WATER 115KV	8	0.04691	-0.11276	6
SPS	LP-BRND2 69KV	108	-0.06585	SPS	WILWIND 230KV	16	0.03874	-0.10459	6
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	JONES 230KV	486	-0.06688	-0.05953	11
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	LP-BRND2 69KV	124	-0.06585	-0.06056	11
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	MUSTANG 115KV	300	-0.08682	-0.03959	17
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	MUSTG5 118.0 230KV	310	-0.08787	-0.03854	17
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	CUNNINGHAM 115KV	71	-0.08938	-0.03703	18
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	CUNNINGHAM 115KV	110	-0.08938	-0.03703	18
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	CUNNINGHAM 230KV	306	-0.08998	-0.03643	18
SPS	TUCUMCARI 115KV	15	-0.12641	SPS	MADOX 115KV	183	-0.08926	-0.03715	18
SPS	TOLK 230KV	56.03098	-0.09802	SPS	JONES 230KV	486	-0.06688	-0.03114	21
SPS	TOLK 230KV	56.03098	-0.09802	SPS	LP-BRND2 69KV	124	-0.06585	-0.03217	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: CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & Potter - Roosevelt 345KV &
Upgrade: ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: PALODU - RANDALL COUNTY INTERCHANGE 115KV CKT 1
Direction: To->From
Line Outage: AMARILLO S INTERCHANGE - SWISHER COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 5108251020151041513211440 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090298	0.2	0.4
1090301	0.2	0.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	CARLSBAD 69KV	18	-0.04835	SPS	NICHOLS 115KV	213	0.06647	-0.11482	3
SPS	LP-BRND2 69KV	108	-0.07339	SPS	BLACKHAWK 115KV	220	0.05865	-0.13204	3
SPS	LP-BRND2 69KV	108	-0.07339	SPS	CZ 69KV	39	0.05729	-0.13068	3
SPS	LP-BRND2 69KV	108	-0.07339	SPS	HARRINGTON 230KV	1066	0.0582	-0.13159	3
SPS	LP-BRND2 69KV	108	-0.07339	SPS	HUBRCO2 69KV	11	0.05892	-0.13231	3
SPS	LP-BRND2 69KV	108	-0.07339	SPS	MOORE COUNTY 115KV	48	0.05499	-0.12838	3
SPS	LP-BRND2 69KV	108	-0.07339	SPS	NICHOLS 115KV	213	0.06647	-0.13986	3
SPS	LP-BRND2 69KV	108	-0.07339	SPS	NICHOLS 230KV	162.8462	0.05843	-0.13182	3
SPS	LP-BRND2 69KV	108	-0.07339	SPS	SIDRCH 69KV	20	0.05892	-0.13231	3
SPS	LP-BRND2 69KV	108	-0.07339	SPS	STEER WATER 115KV	8	0.06199	-0.13538	3
SPS	MADOX 115KV	10	-0.05143	SPS	NICHOLS 115KV	213	0.06647	-0.1179	3
SPS	MADOX 115KV	10	-0.05143	SPS	STEER WATER 115KV	8	0.06199	-0.11342	3
SPS	MUSTG5 118.0 230KV	150	-0.05233	SPS	NICHOLS 115KV	213	0.06647	-0.1188	3
SPS	MUSTG5 118.0 230KV	150	-0.05233	SPS	STEER WATER 115KV	8	0.06199	-0.11432	3
SPS	CARLSBAD 69KV	18	-0.04835	SPS	BLACKHAWK 115KV	220	0.05865	-0.107	4
SPS	CARLSBAD 69KV	18	-0.04835	SPS	CZ 69KV	39	0.05729	-0.10564	4
SPS	CARLSBAD 69KV	18	-0.04835	SPS	HARRINGTON 230KV	1066	0.0582	-0.10655	4
SPS	CARLSBAD 69KV	18	-0.04835	SPS	HUBRCO2 69KV	11	0.05892	-0.10727	4
SPS	CARLSBAD 69KV	18	-0.04835	SPS	MOORE COUNTY 115KV	48	0.05499	-0.10334	4
SPS	CARLSBAD 69KV	18	-0.04835	SPS	NICHOLS 230KV	162.8462	0.05843	-0.10678	4
SPS	CARLSBAD 69KV	18	-0.04835	SPS	SIDRCH 69KV	20	0.05892	-0.10727	4
SPS	CARLSBAD 69KV	18	-0.04835	SPS	STEER WATER 115KV	8	0.06199	-0.11034	4
SPS	LP-BRND2 69KV	108	-0.07339	SPS	WILWIND 230KV	16	0.03775	-0.11114	4
SPS	MADOX 115KV	10	-0.05143	SPS	BLACKHAWK 115KV	220	0.05865	-0.11008	4
SPS	MADOX 115KV	10	-0.05143	SPS	CZ 69KV	39	0.05729	-0.10872	4
SPS	MADOX 115KV	10	-0.05143	SPS	HARRINGTON 230KV	1066	0.0582	-0.10963	4
SPS	MADOX 115KV	10	-0.05143	SPS	HUBRCO2 69KV	11	0.05892	-0.11035	4
SPS	MADOX 115KV	10	-0.05143	SPS	MOORE COUNTY 115KV	48	0.05499	-0.10642	4
SPS	MADOX 115KV	10	-0.05143	SPS	NICHOLS 230KV	162.8462	0.05843	-0.10986	4
SPS	MADOX 115KV	10	-0.05143	SPS	SIDRCH 69KV	20	0.05892	-0.11035	4
SPS	MADOX 115KV	10	-0.05143	SPS	WILWIND 230KV	16	0.03775	-0.08918	4
SPS	MUSTG5 118.0 230KV	150	-0.05233	SPS	BLACKHAWK 115KV	220	0.05865	-0.11098	4
SPS	MUSTG5 118.0 230KV	150	-0.05233	SPS	CZ 69KV	39	0.05729	-0.10962	4
SPS	MUSTG5 118.0 230KV	150	-0.05233	SPS	HARRINGTON 230KV	1066	0.0582	-0.11053	4
SPS	MUSTG5 118.0 230KV	150	-0.05233	SPS	HUBRCO2 69KV	11	0.05892	-0.11125	4
SPS	MUSTG5 118.0 230KV	150	-0.05233	SPS	MOORE COUNTY 115KV	48	0.05499	-0.10732	4
SPS	MUSTG5 118.0 230KV	150	-0.05233	SPS	NICHOLS 230KV	162.8462	0.05843	-0.11076	4
SPS	MUSTG5 118.0 230KV	150	-0.05233	SPS	SIDRCH 69KV	20	0.05892	-0.11125	4
SPS	MUSTG5 118.0 230KV	150	-0.05233	SPS	WILWIND 230KV	16	0.03775	-0.09008	4
SPS	TOLK 230KV	53.00848	-0.04155	SPS	BLACKHAWK 115KV	220	0.05865	-0.1002	4
SPS	TOLK 230KV	53.00848	-0.04155	SPS	CZ 69KV	39	0.05729	-0.09884	4
SPS	TOLK 230KV	53.00848	-0.04155	SPS	HARRINGTON 230KV	1066	0.0582	-0.09975	4
SPS	TOLK 230KV	53.00848	-0.04155	SPS	HUBRCO2 69KV	11	0.05892	-0.10047	4
SPS	TOLK 230KV	53.00848	-0.04155	SPS	MOORE COUNTY 115KV	48	0.05499	-0.09654	4
SPS	TOLK 230KV	53.00848	-0.04155	SPS	NICHOLS 115KV	213	0.06647	-0.10802	4
SPS	TOLK 230KV	53.00848	-0.04155	SPS	NICHOLS 230KV	162.8462	0.05843	-0.09998	4
SPS	TOLK 230KV	53.00848	-0.04155	SPS	SIDRCH 69KV	20	0.05892	-0.10047	4
SPS	TOLK 230KV	53.00848	-0.04155	SPS	STEER WATER 115KV	8	0.06199	-0.10354	4
SPS	TUCUMCARI 115KV	15	-0.03395	SPS	BLACKHAWK 115KV	220	0.05865	-0.0926	4
SPS	TUCUMCARI 115KV	15	-0.03395	SPS	CZ 69KV	39	0.05729	-0.09124	4
SPS	TUCUMCARI 115KV	15	-0.03395	SPS	HARRINGTON 230KV	1066	0.0582	-0.09215	4
SPS	TUCUMCARI 115KV	15	-0.03395	SPS	HUBRCO2 69KV	11	0.05892	-0.09287	4
SPS	TUCUMCARI 115KV	15	-0.03395	SPS	MOORE COUNTY 115KV	48	0.05499	-0.08894	4
SPS	TUCUMCARI 115KV	15	-0.03395	SPS	NICHOLS 115KV	213	0.06647	-0.10042	4
SPS	TUCUMCARI 115KV	15	-0.03395	SPS	NICHOLS 230KV	162.8462	0.05843	-0.09238	4
SPS	TUCUMCARI 115KV	15	-0.03395	SPS	SIDRCH 69KV	20	0.05892	-0.09287	4
SPS	TUCUMCARI 115KV	15	-0.03395	SPS	STEER WATER 115KV	8	0.06199	-0.09594	4

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

SPS	CARLSBAD 69KV	18	-0.04835	SPS	WILWIND 230KV	16	0.03775	-0.0861	5
SPS	TOLK 230KV	53.00848	-0.04155	SPS	WILWIND 230KV	16	0.03775	-0.0793	5
SPS	TUCUMCARI 115KV	15	-0.03395	SPS	WILWIND 230KV	16	0.03775	-0.0717	6
SPS	LP-BRND2 69KV	108	-0.07339	SPS	CAPROCK 115KV	8	-0.03395	-0.03944	10
SPS	LP-BRND2 69KV	108	-0.07339	SPS	PLANTX 230KV	189	-0.03726	-0.03613	11
SPS	LP-BRND2 69KV	108	-0.07339	SPS	SAN JUAN 230KV	12	-0.04154	-0.03185	12
SPS	LP-BRND2 69KV	108	-0.07339	SPS	TOLK 230KV	1026.991	-0.04155	-0.03184	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: CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & Potter - Roosevelt 345KV &
Upgrade: ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: PALODU - RANDALL COUNTY INTERCHANGE 115KV CKT 1
Direction: To->From
Line Outage: AMARILLO S INTERCHANGE - SWISHER COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 5108251020151041513211441SP
Date Redispatch Needed: 6/1/11 - 10/1/11
Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090298	0.2	1.0
1090301	0.4	1.0
1090322	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	LP-BRND2 69KV	108	-0.07338	SPS	BLACKHAWK 115KV	220	0.05869	-0.13207	7
SPS	LP-BRND2 69KV	108	-0.07338	SPS	HUBRCO2 69KV	11	0.05895	-0.13233	7
SPS	LP-BRND2 69KV	108	-0.07338	SPS	NICHOLS 115KV	213	0.06649	-0.13987	7
SPS	LP-BRND2 69KV	108	-0.07338	SPS	NICHOLS 230KV	206.8042	0.05845	-0.13183	7
SPS	LP-BRND2 69KV	108	-0.07338	SPS	SIDRCH 69KV	20	0.05895	-0.13233	7
SPS	LP-BRND2 69KV	108	-0.07338	SPS	STEER WATER 115KV	8	0.06201	-0.13539	7
SPS	LP-BRND2 69KV	108	-0.07338	SPS	CZ 69KV	39	0.05731	-0.13069	8
SPS	LP-BRND2 69KV	108	-0.07338	SPS	HARRINGTON 230KV	1066	0.05821	-0.13159	8
SPS	LP-BRND2 69KV	108	-0.07338	SPS	MOORE COUNTY 115KV	48	0.05503	-0.12841	8
SPS	MADOX 115KV	10	-0.05143	SPS	NICHOLS 115KV	213	0.06649	-0.11792	8
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	NICHOLS 115KV	213	0.06649	-0.11878	8
SPS	CARLSBAD 69KV	18	-0.04835	SPS	BLACKHAWK 115KV	220	0.05869	-0.10704	9
SPS	CARLSBAD 69KV	18	-0.04835	SPS	CZ 69KV	39	0.05731	-0.10566	9
SPS	CARLSBAD 69KV	18	-0.04835	SPS	HARRINGTON 230KV	1066	0.05821	-0.10656	9
SPS	CARLSBAD 69KV	18	-0.04835	SPS	HUBRCO2 69KV	11	0.05895	-0.1073	9
SPS	CARLSBAD 69KV	18	-0.04835	SPS	NICHOLS 115KV	213	0.06649	-0.11484	9
SPS	CARLSBAD 69KV	18	-0.04835	SPS	NICHOLS 230KV	206.8042	0.05845	-0.1068	9
SPS	CARLSBAD 69KV	18	-0.04835	SPS	SIDRCH 69KV	20	0.05895	-0.1073	9
SPS	CARLSBAD 69KV	18	-0.04835	SPS	STEER WATER 115KV	8	0.06201	-0.11036	9
SPS	LP-BRND2 69KV	108	-0.07338	SPS	WILWIND 230KV	16	0.03776	-0.11114	9
SPS	MADOX 115KV	10	-0.05143	SPS	BLACKHAWK 115KV	220	0.05869	-0.11012	9
SPS	MADOX 115KV	10	-0.05143	SPS	CZ 69KV	39	0.05731	-0.10874	9
SPS	MADOX 115KV	10	-0.05143	SPS	HARRINGTON 230KV	1066	0.05821	-0.10964	9
SPS	MADOX 115KV	10	-0.05143	SPS	HUBRCO2 69KV	11	0.05895	-0.11038	9
SPS	MADOX 115KV	10	-0.05143	SPS	MOORE COUNTY 115KV	48	0.05503	-0.10646	9
SPS	MADOX 115KV	10	-0.05143	SPS	NICHOLS 230KV	206.8042	0.05845	-0.10988	9
SPS	MADOX 115KV	10	-0.05143	SPS	SIDRCH 69KV	20	0.05895	-0.11038	9
SPS	MADOX 115KV	10	-0.05143	SPS	STEER WATER 115KV	8	0.06201	-0.11344	9
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	BLACKHAWK 115KV	220	0.05869	-0.11098	9
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	CZ 69KV	39	0.05731	-0.1096	9
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	HARRINGTON 230KV	1066	0.05821	-0.1105	9
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	HUBRCO2 69KV	11	0.05895	-0.11124	9
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	MOORE COUNTY 115KV	48	0.05503	-0.10732	9
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	NICHOLS 230KV	206.8042	0.05845	-0.11074	9
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	SIDRCH 69KV	20	0.05895	-0.11124	9
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	STEER WATER 115KV	8	0.06201	-0.1143	9
SPS	TOLK 230KV	56.03098	-0.04154	SPS	NICHOLS 115KV	213	0.06649	-0.10803	9
SPS	CARLSBAD 69KV	18	-0.04835	SPS	MOORE COUNTY 115KV	48	0.05503	-0.10338	10
SPS	TOLK 230KV	56.03098	-0.04154	SPS	BLACKHAWK 115KV	220	0.05869	-0.10023	10
SPS	TOLK 230KV	56.03098	-0.04154	SPS	CZ 69KV	39	0.05731	-0.09885	10
SPS	TOLK 230KV	56.03098	-0.04154	SPS	HARRINGTON 230KV	1066	0.05821	-0.09975	10
SPS	TOLK 230KV	56.03098	-0.04154	SPS	HUBRCO2 69KV	11	0.05895	-0.10049	10
SPS	TOLK 230KV	56.03098	-0.04154	SPS	MOORE COUNTY 115KV	48	0.05503	-0.09657	10
SPS	TOLK 230KV	56.03098	-0.04154	SPS	NICHOLS 230KV	206.8042	0.05845	-0.09999	10
SPS	TOLK 230KV	56.03098	-0.04154	SPS	SIDRCH 69KV	20	0.05895	-0.10049	10
SPS	TOLK 230KV	56.03098	-0.04154	SPS	STEER WATER 115KV	8	0.06201	-0.10355	10
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	NICHOLS 115KV	213	0.06649	-0.10043	10
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	STEER WATER 115KV	8	0.06201	-0.09595	10
SPS	CARLSBAD 69KV	18	-0.04835	SPS	WILWIND 230KV	16	0.03776	-0.08611	11
SPS	MADOX 115KV	10	-0.05143	SPS	WILWIND 230KV	16	0.03776	-0.08919	11
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	WILWIND 230KV	16	0.03776	-0.09005	11
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	BLACKHAWK 115KV	220	0.05869	-0.09263	11
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	CZ 69KV	39	0.05731	-0.09125	11
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	HARRINGTON 230KV	1066	0.05821	-0.09215	11
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	HUBRCO2 69KV	11	0.05895	-0.09289	11
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	MOORE COUNTY 115KV	48	0.05503	-0.08897	11
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	NICHOLS 230KV	206.8042	0.05845	-0.09239	11
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	SIDRCH 69KV	20	0.05895	-0.09289	11
SPS	TOLK 230KV	56.03098	-0.04154	SPS	WILWIND 230KV	16	0.03776	-0.0793	12
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	WILWIND 230KV	16	0.03776	-0.0717	14
SPS	LP-BRND2 69KV	108	-0.07338	SPS	PLANTX 230KV	189	-0.03725	-0.03613	27
SPS	LP-BRND2 69KV	108	-0.07338	SPS	SAN JUAN 230KV	12	-0.04152	-0.03186	31
SPS	LP-BRND2 69KV	108	-0.07338	SPS	TOLK 230KV	1023.969	-0.04154	-0.03184	31

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

Upgrade: CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & Potter - Roosevelt 345KV &
Upgrade: ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: PALODU - RANDALL COUNTY INTERCHANGE 115KV CKT 1
Direction: To->From
Line Outage: KRESS INTERCHANGE - SWISHER COUNTY INTERCHANGE 115KV CKT 1
Flowgate: 5108251020151316513201441SP
Date Redispatch Needed: 6/1/11 - 10/1/11

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

Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090298	0.1	0.9
1090301	0.1	0.9
1090322	0.1	0.9
1090487	0.5	0.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	LP-BRND2 69KV	108	-0.04474	SPS	NICHOLS 115KV	213	0.03767	-0.08241	11
SPS	LP-BRND2 69KV	108	-0.04474	SPS	STEER WATER 115KV	8	0.03465	-0.07939	11
SPS	CARLSBAD 69KV	18	-0.03669	SPS	NICHOLS 115KV	213	0.03767	-0.07436	12
SPS	CARLSBAD 69KV	18	-0.03669	SPS	STEER WATER 115KV	8	0.03465	-0.07134	12
SPS	LP-BRND2 69KV	108	-0.04474	SPS	BLACKHAWK 115KV	220	0.03147	-0.07621	12
SPS	LP-BRND2 69KV	108	-0.04474	SPS	CZ 69KV	39	0.03148	-0.07622	12
SPS	LP-BRND2 69KV	108	-0.04474	SPS	HARRINGTON 230KV	1066	0.03048	-0.07522	12
SPS	LP-BRND2 69KV	108	-0.04474	SPS	HUBRCO2 69KV	11	0.03166	-0.0764	12
SPS	LP-BRND2 69KV	108	-0.04474	SPS	MOORE COUNTY 115KV	48	0.02921	-0.07395	12
SPS	LP-BRND2 69KV	108	-0.04474	SPS	NICHOLS 230KV	206.8042	0.03048	-0.07522	12
SPS	LP-BRND2 69KV	108	-0.04474	SPS	SIDRCH 69KV	20	0.03166	-0.0764	12
SPS	MADOX 115KV	10	-0.03799	SPS	NICHOLS 115KV	213	0.03767	-0.07566	12
SPS	MADOX 115KV	10	-0.03799	SPS	STEER WATER 115KV	8	0.03465	-0.07264	12
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	NICHOLS 115KV	213	0.03767	-0.0761	12
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	STEER WATER 115KV	8	0.03465	-0.07308	12
SPS	TOLK 230KV	56.03098	-0.03413	SPS	NICHOLS 115KV	213	0.03767	-0.0718	12
SPS	CARLSBAD 69KV	18	-0.03669	SPS	BLACKHAWK 115KV	220	0.03147	-0.06816	13
SPS	CARLSBAD 69KV	18	-0.03669	SPS	CZ 69KV	39	0.03148	-0.06817	13
SPS	CARLSBAD 69KV	18	-0.03669	SPS	HARRINGTON 230KV	1066	0.03048	-0.06717	13
SPS	CARLSBAD 69KV	18	-0.03669	SPS	HUBRCO2 69KV	11	0.03166	-0.06835	13
SPS	CARLSBAD 69KV	18	-0.03669	SPS	MOORE COUNTY 115KV	48	0.02921	-0.0659	13
SPS	CARLSBAD 69KV	18	-0.03669	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06717	13
SPS	CARLSBAD 69KV	18	-0.03669	SPS	SIDRCH 69KV	20	0.03166	-0.06835	13
SPS	MADOX 115KV	10	-0.03799	SPS	BLACKHAWK 115KV	220	0.03147	-0.06946	13
SPS	MADOX 115KV	10	-0.03799	SPS	CZ 69KV	39	0.03148	-0.06947	13
SPS	MADOX 115KV	10	-0.03799	SPS	HARRINGTON 230KV	1066	0.03048	-0.06847	13
SPS	MADOX 115KV	10	-0.03799	SPS	HUBRCO2 69KV	11	0.03166	-0.06965	13
SPS	MADOX 115KV	10	-0.03799	SPS	MOORE COUNTY 115KV	48	0.02921	-0.0672	13
SPS	MADOX 115KV	10	-0.03799	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06847	13
SPS	MADOX 115KV	10	-0.03799	SPS	SIDRCH 69KV	20	0.03166	-0.06965	13
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	BLACKHAWK 115KV	220	0.03147	-0.0699	13
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	CZ 69KV	39	0.03148	-0.06991	13
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	HARRINGTON 230KV	1066	0.03048	-0.06891	13
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	HUBRCO2 69KV	11	0.03166	-0.07009	13
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	MOORE COUNTY 115KV	48	0.02921	-0.06764	13
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06891	13
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	SIDRCH 69KV	20	0.03166	-0.07009	13
SPS	TOLK 230KV	56.03098	-0.03413	SPS	HUBRCO2 69KV	11	0.03166	-0.06579	13
SPS	TOLK 230KV	56.03098	-0.03413	SPS	SIDRCH 69KV	20	0.03166	-0.06579	13
SPS	TOLK 230KV	56.03098	-0.03413	SPS	STEER WATER 115KV	8	0.03465	-0.06878	13
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	NICHOLS 115KV	213	0.03767	-0.06702	13
SPS	LP-BRND2 69KV	108	-0.04474	SPS	WILWIND 230KV	16	0.01717	-0.06191	14
SPS	TOLK 230KV	56.03098	-0.03413	SPS	BLACKHAWK 115KV	220	0.03147	-0.0656	14
SPS	TOLK 230KV	56.03098	-0.03413	SPS	CZ 69KV	39	0.03148	-0.06561	14
SPS	TOLK 230KV	56.03098	-0.03413	SPS	HARRINGTON 230KV	1066	0.03048	-0.06461	14
SPS	TOLK 230KV	56.03098	-0.03413	SPS	MOORE COUNTY 115KV	48	0.02921	-0.06334	14
SPS	TOLK 230KV	56.03098	-0.03413	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06461	14
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	STEER WATER 115KV	8	0.03465	-0.064	14
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	BLACKHAWK 115KV	220	0.03147	-0.06082	15
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	CZ 69KV	39	0.03148	-0.06083	15
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	HARRINGTON 230KV	1066	0.03048	-0.05983	15
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	HUBRCO2 69KV	11	0.03166	-0.06101	15
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	MOORE COUNTY 115KV	48	0.02921	-0.05856	15
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	NICHOLS 230KV	206.8042	0.03048	-0.05983	15
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	SIDRCH 69KV	20	0.03166	-0.06101	15
SPS	CARLSBAD 69KV	18	-0.03669	SPS	WILWIND 230KV	16	0.01717	-0.05386	16
SPS	MADOX 115KV	10	-0.03799	SPS	WILWIND 230KV	16	0.01717	-0.05516	16
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	WILWIND 230KV	16	0.01717	-0.0556	16
SPS	TOLK 230KV	56.03098	-0.03413	SPS	WILWIND 230KV	16	0.01717	-0.0513	17
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	WILWIND 230KV	16	0.01717	-0.04652	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: CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & Potter - Roosevelt 345KV &
Upgrade: ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: PALODU - RANDALL COUNTY INTERCHANGE 115KV CKT 1
Direction: To->From
Line Outage: SWISHER COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Flowgate: 5108251020151321513201441 1SP
Date Redispatch Needed: 6/1/11 - 10/1/11
Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090298	0.1	0.9
1090301	0.1	0.9
1090322	0.1	0.9
1090487	0.5	0.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	LP-BRND2 69KV	108	-0.04474	SPS	NICHOLS 115KV	213	0.03767	-0.08241	10
SPS	CARLSBAD 69KV	18	-0.03669	SPS	NICHOLS 115KV	213	0.03767	-0.07436	11
SPS	LP-BRND2 69KV	108	-0.04474	SPS	BLACKHAWK 115KV	220	0.03147	-0.07621	11
SPS	LP-BRND2 69KV	108	-0.04474	SPS	CZ 69KV	39	0.03148	-0.07622	11
SPS	LP-BRND2 69KV	108	-0.04474	SPS	HARRINGTON 230KV	1066	0.03048	-0.07522	11
SPS	LP-BRND2 69KV	108	-0.04474	SPS	HUBRCO2 69KV	11	0.03166	-0.0764	11
SPS	LP-BRND2 69KV	108	-0.04474	SPS	NICHOLS 230KV	206.8042	0.03048	-0.07522	11
SPS	LP-BRND2 69KV	108	-0.04474	SPS	SIDRCH 69KV	20	0.03166	-0.0764	11
SPS	LP-BRND2 69KV	108	-0.04474	SPS	STEER WATER 115KV	8	0.03465	-0.07939	11
SPS	MADOX 115KV	10	-0.03799	SPS	NICHOLS 115KV	213	0.03767	-0.07566	11
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	NICHOLS 115KV	213	0.03767	-0.0761	11

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

SPS	CARLSBAD 69KV	18	-0.03669	SPS	HUBRCO2 69KV	11	0.03166	-0.06835	12
SPS	CARLSBAD 69KV	18	-0.03669	SPS	SIDRCH 69KV	20	0.03166	-0.06835	12
SPS	CARLSBAD 69KV	18	-0.03669	SPS	STEER WATER 115KV	8	0.03465	-0.07134	12
SPS	LP-BRND2 69KV	108	-0.04474	SPS	MOORE COUNTY 115KV	48	0.02921	-0.07395	12
SPS	MADOX 115KV	10	-0.03799	SPS	BLACKHAWK 115KV	220	0.03147	-0.06946	12
SPS	MADOX 115KV	10	-0.03799	SPS	CZ 69KV	39	0.03148	-0.06947	12
SPS	MADOX 115KV	10	-0.03799	SPS	HARRINGTON 230KV	1066	0.03048	-0.06847	12
SPS	MADOX 115KV	10	-0.03799	SPS	HUBRCO2 69KV	11	0.03166	-0.06965	12
SPS	MADOX 115KV	10	-0.03799	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06847	12
SPS	MADOX 115KV	10	-0.03799	SPS	SIDRCH 69KV	20	0.03166	-0.06965	12
SPS	MADOX 115KV	10	-0.03799	SPS	STEER WATER 115KV	8	0.03465	-0.07264	12
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	BLACKHAWK 115KV	220	0.03147	-0.0699	12
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	CZ 69KV	39	0.03148	-0.06991	12
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	HARRINGTON 230KV	1066	0.03048	-0.06891	12
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	HUBRCO2 69KV	11	0.03166	-0.07009	12
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06891	12
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	SIDRCH 69KV	20	0.03166	-0.07009	12
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	STEER WATER 115KV	8	0.03465	-0.07308	12
SPS	TOLK 230KV	56.03098	-0.03413	SPS	NICHOLS 115KV	213	0.03767	-0.0718	12
SPS	TOLK 230KV	56.03098	-0.03413	SPS	STEER WATER 115KV	8	0.03465	-0.06878	12
SPS	CARLSBAD 69KV	18	-0.03669	SPS	BLACKHAWK 115KV	220	0.03147	-0.06816	13
SPS	CARLSBAD 69KV	18	-0.03669	SPS	CZ 69KV	39	0.03148	-0.06817	13
SPS	CARLSBAD 69KV	18	-0.03669	SPS	HARRINGTON 230KV	1066	0.03048	-0.06717	13
SPS	CARLSBAD 69KV	18	-0.03669	SPS	MOORE COUNTY 115KV	48	0.02921	-0.0659	13
SPS	CARLSBAD 69KV	18	-0.03669	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06717	13
SPS	MADOX 115KV	10	-0.03799	SPS	MOORE COUNTY 115KV	48	0.02921	-0.0672	13
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	MOORE COUNTY 115KV	48	0.02921	-0.06764	13
SPS	TOLK 230KV	56.03098	-0.03413	SPS	BLACKHAWK 115KV	220	0.03147	-0.0656	13
SPS	TOLK 230KV	56.03098	-0.03413	SPS	CZ 69KV	39	0.03148	-0.06561	13
SPS	TOLK 230KV	56.03098	-0.03413	SPS	HARRINGTON 230KV	1066	0.03048	-0.06461	13
SPS	TOLK 230KV	56.03098	-0.03413	SPS	HUBRCO2 69KV	11	0.03166	-0.06579	13
SPS	TOLK 230KV	56.03098	-0.03413	SPS	MOORE COUNTY 115KV	48	0.02921	-0.06334	13
SPS	TOLK 230KV	56.03098	-0.03413	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06461	13
SPS	TOLK 230KV	56.03098	-0.03413	SPS	SIDRCH 69KV	20	0.03166	-0.06579	13
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	NICHOLS 115KV	213	0.03767	-0.06702	13
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	STEER WATER 115KV	8	0.03465	-0.064	13
SPS	LP-BRND2 69KV	108	-0.04474	SPS	WILWIND 230KV	16	0.01717	-0.06191	14
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	BLACKHAWK 115KV	220	0.03147	-0.06082	14
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	CZ 69KV	39	0.03148	-0.06083	14
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	HARRINGTON 230KV	1066	0.03048	-0.05983	14
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	HUBRCO2 69KV	11	0.03166	-0.06101	14
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	NICHOLS 230KV	206.8042	0.03048	-0.05983	14
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	SIDRCH 69KV	20	0.03166	-0.06101	14
SPS	MADOX 115KV	10	-0.03799	SPS	WILWIND 230KV	16	0.01717	-0.05516	15
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	WILWIND 230KV	16	0.01717	-0.0556	15
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	MOORE COUNTY 115KV	48	0.02921	-0.05856	15
SPS	CARLSBAD 69KV	18	-0.03669	SPS	WILWIND 230KV	16	0.01717	-0.05386	16
SPS	TOLK 230KV	56.03098	-0.03413	SPS	WILWIND 230KV	16	0.01717	-0.0513	17
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	WILWIND 230KV	16	0.01717	-0.04652	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: CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & Potter - Roosevelt 345KV &
Upgrade: ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: HAPPY INTERCHANGE - PALODU 115KV CKT 1
Direction: To->From
Line Outage: AMARILLO S INTERCHANGE - SWISHER COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 513025108215104151321144 11SP
Date Redispatch Needed: 6/1/11 - 10/1/11
Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090298	0.2	1.1
1090301	0.5	1.1
1090322	0.4	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	LP-BRND2 69KV	108	-0.07338	SPS	BLACKHAWK 115KV	220	0.05869	-0.13207	8
SPS	LP-BRND2 69KV	108	-0.07338	SPS	CZ 69KV	39	0.05731	-0.13069	8
SPS	LP-BRND2 69KV	108	-0.07338	SPS	HARRINGTON 230KV	1066	0.05821	-0.13159	8
SPS	LP-BRND2 69KV	108	-0.07338	SPS	HUBRCO2 69KV	11	0.05895	-0.13233	8
SPS	LP-BRND2 69KV	108	-0.07338	SPS	MOORE COUNTY 115KV	48	0.05503	-0.12841	8
SPS	LP-BRND2 69KV	108	-0.07338	SPS	NICHOLS 115KV	213	0.06649	-0.13987	8
SPS	LP-BRND2 69KV	108	-0.07338	SPS	NICHOLS 230KV	206.8042	0.05845	-0.13183	8
SPS	LP-BRND2 69KV	108	-0.07338	SPS	SIDRCH 69KV	20	0.05895	-0.13233	8
SPS	LP-BRND2 69KV	108	-0.07338	SPS	STEER WATER 115KV	8	0.06201	-0.13539	8
SPS	CARLSBAD 69KV	18	-0.04835	SPS	NICHOLS 115KV	213	0.06649	-0.11484	9
SPS	MADOX 115KV	10	-0.05143	SPS	NICHOLS 115KV	213	0.06649	-0.11792	9
SPS	MADOX 115KV	10	-0.05143	SPS	STEER WATER 115KV	8	0.06201	-0.11344	9
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	NICHOLS 115KV	213	0.06649	-0.11878	9
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	STEER WATER 115KV	8	0.06201	-0.1143	9
SPS	CARLSBAD 69KV	18	-0.04835	SPS	BLACKHAWK 115KV	220	0.05869	-0.10704	10
SPS	CARLSBAD 69KV	18	-0.04835	SPS	CZ 69KV	39	0.05731	-0.10566	10
SPS	CARLSBAD 69KV	18	-0.04835	SPS	HARRINGTON 230KV	1066	0.05821	-0.10656	10
SPS	CARLSBAD 69KV	18	-0.04835	SPS	HUBRCO2 69KV	11	0.05895	-0.1073	10
SPS	CARLSBAD 69KV	18	-0.04835	SPS	MOORE COUNTY 115KV	48	0.05503	-0.10338	10
SPS	CARLSBAD 69KV	18	-0.04835	SPS	NICHOLS 230KV	206.8042	0.05845	-0.1068	10
SPS	CARLSBAD 69KV	18	-0.04835	SPS	SIDRCH 69KV	20	0.05895	-0.1073	10
SPS	CARLSBAD 69KV	18	-0.04835	SPS	STEER WATER 115KV	8	0.06201	-0.11036	10
SPS	LP-BRND2 69KV	108	-0.07338	SPS	WILWIND 230KV	16	0.03776	-0.11114	10
SPS	MADOX 115KV	10	-0.05143	SPS	BLACKHAWK 115KV	220	0.05869	-0.11012	10
SPS	MADOX 115KV	10	-0.05143	SPS	CZ 69KV	39	0.05731	-0.10874	10
SPS	MADOX 115KV	10	-0.05143	SPS	HARRINGTON 230KV	1066	0.05821	-0.10964	10
SPS	MADOX 115KV	10	-0.05143	SPS	HUBRCO2 69KV	11	0.05895	-0.11038	10
SPS	MADOX 115KV	10	-0.05143	SPS	MOORE COUNTY 115KV	48	0.05503	-0.10646	10
SPS	MADOX 115KV	10	-0.05143	SPS	NICHOLS 230KV	206.8042	0.05845	-0.10988	10
SPS	MADOX 115KV	10	-0.05143	SPS	SIDRCH 69KV	20	0.05895	-0.11038	10
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	BLACKHAWK 115KV	220	0.05869	-0.11098	10
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	CZ 69KV	39	0.05731	-0.1096	10
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	HARRINGTON 230KV	1066	0.05821	-0.1105	10

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

SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	HUBRCO2 69KV	11	0.05895	-0.11124	10
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	MOORE COUNTY 115KV	48	0.05503	-0.10732	10
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	NICHOLS 230KV	206.8042	0.05845	-0.11074	10
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	SIDRCH 69KV	20	0.05895	-0.11124	10
SPS	TOLK 230KV	56.03098	-0.04154	SPS	NICHOLS 115KV	213	0.06649	-0.10803	10
SPS	TOLK 230KV	56.03098	-0.04154	SPS	STEER WATER 115KV	8	0.06201	-0.10355	10
SPS	TOLK 230KV	56.03098	-0.04154	SPS	BLACKHAWK 115KV	220	0.05869	-0.10023	11
SPS	TOLK 230KV	56.03098	-0.04154	SPS	CZ 69KV	39	0.05731	-0.09885	11
SPS	TOLK 230KV	56.03098	-0.04154	SPS	HARRINGTON 230KV	1066	0.05821	-0.09975	11
SPS	TOLK 230KV	56.03098	-0.04154	SPS	HUBRCO2 69KV	11	0.05895	-0.10049	11
SPS	TOLK 230KV	56.03098	-0.04154	SPS	MOORE COUNTY 115KV	48	0.05503	-0.09657	11
SPS	TOLK 230KV	56.03098	-0.04154	SPS	NICHOLS 230KV	206.8042	0.05845	-0.09999	11
SPS	TOLK 230KV	56.03098	-0.04154	SPS	SIDRCH 69KV	20	0.05895	-0.10049	11
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	NICHOLS 115KV	213	0.06649	-0.10043	11
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	STEER WATER 115KV	8	0.06201	-0.09595	11
SPS	CARLSBAD 69KV	18	-0.04835	SPS	WILWIND 230KV	16	0.03776	-0.08611	12
SPS	MADOX 115KV	10	-0.05143	SPS	WILWIND 230KV	16	0.03776	-0.08919	12
SPS	MUSTG5 118.0 230KV	150	-0.05229	SPS	WILWIND 230KV	16	0.03776	-0.09005	12
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	BLACKHAWK 115KV	220	0.05869	-0.09263	12
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	CZ 69KV	39	0.05731	-0.09125	12
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	HARRINGTON 230KV	1066	0.05821	-0.09215	12
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	HUBRCO2 69KV	11	0.05895	-0.09289	12
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	MOORE COUNTY 115KV	48	0.05503	-0.08897	12
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	NICHOLS 230KV	206.8042	0.05845	-0.09239	12
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	SIDRCH 69KV	20	0.05895	-0.09289	12
SPS	TOLK 230KV	56.03098	-0.04154	SPS	WILWIND 230KV	16	0.03776	-0.0793	14
SPS	TUCUMCARI 115KV	15	-0.03394	SPS	WILWIND 230KV	16	0.03776	-0.0717	15
SPS	LP-BRND2 69KV	108	-0.07338	SPS	PLANTX 230KV	189	-0.03725	-0.03613	30
SPS	LP-BRND2 69KV	108	-0.07338	SPS	SAN JUAN 230KV	12	-0.04152	-0.03186	34
SPS	LP-BRND2 69KV	108	-0.07338	SPS	TOLK 230KV	1023.969	-0.04154	-0.03184	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: CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & Potter - Roosevelt 345KV &
Upgrade: ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: HAPPY INTERCHANGE - PALODU 115KV CKT 1
Direction: To->From
Line Outage: KRESS INTERCHANGE - SWISHER COUNTY INTERCHANGE 115KV CKT 1
Flowgate: 513025108215131651320144115P
Date Redispatch Needed: 6/1/11 - 10/1/11
Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090298	0.1	0.4
1090301	0.1	0.4
1090322	0.1	0.4
1090487	0.2	0.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	LP-BRND2 69KV	108	-0.04474	SPS	NICHOLS 115KV	213	0.03767	-0.08241	5
SPS	CARLSBAD 69KV	18	-0.03669	SPS	NICHOLS 115KV	213	0.03767	-0.07436	6
SPS	CARLSBAD 69KV	18	-0.03669	SPS	STEER WATER 115KV	8	0.03465	-0.07134	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	BLACKHAWK 115KV	220	0.03147	-0.07621	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	CZ 69KV	39	0.03148	-0.07622	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	HARRINGTON 230KV	1066	0.03048	-0.07522	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	HUBRCO2 69KV	11	0.03166	-0.0764	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	MOORE COUNTY 115KV	48	0.02921	-0.07395	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	NICHOLS 230KV	206.8042	0.03048	-0.07522	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	SIDRCH 69KV	20	0.03166	-0.0764	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	STEER WATER 115KV	8	0.03465	-0.07939	6
SPS	MADOX 115KV	10	-0.03799	SPS	BLACKHAWK 115KV	220	0.03147	-0.06946	6
SPS	MADOX 115KV	10	-0.03799	SPS	CZ 69KV	39	0.03148	-0.06947	6
SPS	MADOX 115KV	10	-0.03799	SPS	HUBRCO2 69KV	11	0.03166	-0.06965	6
SPS	MADOX 115KV	10	-0.03799	SPS	NICHOLS 115KV	213	0.03767	-0.07566	6
SPS	MADOX 115KV	10	-0.03799	SPS	SIDRCH 69KV	20	0.03166	-0.06965	6
SPS	MADOX 115KV	10	-0.03799	SPS	STEER WATER 115KV	8	0.03465	-0.07264	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	BLACKHAWK 115KV	220	0.03147	-0.0699	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	CZ 69KV	39	0.03148	-0.06991	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	HARRINGTON 230KV	1066	0.03048	-0.06891	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	HUBRCO2 69KV	11	0.03166	-0.07009	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	NICHOLS 115KV	213	0.03767	-0.0761	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06891	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	SIDRCH 69KV	20	0.03166	-0.07009	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	STEER WATER 115KV	8	0.03465	-0.07308	6
SPS	TOLK 230KV	56.03098	-0.03413	SPS	NICHOLS 115KV	213	0.03767	-0.0718	6
SPS	TOLK 230KV	56.03098	-0.03413	SPS	STEER WATER 115KV	8	0.03465	-0.06878	6
SPS	CARLSBAD 69KV	18	-0.03669	SPS	BLACKHAWK 115KV	220	0.03147	-0.06816	7
SPS	CARLSBAD 69KV	18	-0.03669	SPS	CZ 69KV	39	0.03148	-0.06817	7
SPS	CARLSBAD 69KV	18	-0.03669	SPS	HARRINGTON 230KV	1066	0.03048	-0.06717	7
SPS	CARLSBAD 69KV	18	-0.03669	SPS	HUBRCO2 69KV	11	0.03166	-0.06835	7
SPS	CARLSBAD 69KV	18	-0.03669	SPS	MOORE COUNTY 115KV	48	0.02921	-0.0659	7
SPS	CARLSBAD 69KV	18	-0.03669	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06717	7
SPS	CARLSBAD 69KV	18	-0.03669	SPS	SIDRCH 69KV	20	0.03166	-0.06835	7
SPS	LP-BRND2 69KV	108	-0.04474	SPS	WILWIND 230KV	16	0.01717	-0.06191	7
SPS	MADOX 115KV	10	-0.03799	SPS	HARRINGTON 230KV	1066	0.03048	-0.06847	7
SPS	MADOX 115KV	10	-0.03799	SPS	MOORE COUNTY 115KV	48	0.02921	-0.0672	7
SPS	MADOX 115KV	10	-0.03799	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06847	7
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	MOORE COUNTY 115KV	48	0.02921	-0.06764	7
SPS	TOLK 230KV	56.03098	-0.03413	SPS	BLACKHAWK 115KV	220	0.03147	-0.0656	7
SPS	TOLK 230KV	56.03098	-0.03413	SPS	CZ 69KV	39	0.03148	-0.06561	7
SPS	TOLK 230KV	56.03098	-0.03413	SPS	HARRINGTON 230KV	1066	0.03048	-0.06461	7
SPS	TOLK 230KV	56.03098	-0.03413	SPS	HUBRCO2 69KV	11	0.03166	-0.06579	7
SPS	TOLK 230KV	56.03098	-0.03413	SPS	MOORE COUNTY 115KV	48	0.02921	-0.06334	7
SPS	TOLK 230KV	56.03098	-0.03413	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06461	7
SPS	TOLK 230KV	56.03098	-0.03413	SPS	SIDRCH 69KV	20	0.03166	-0.06579	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	BLACKHAWK 115KV	220	0.03147	-0.06082	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	CZ 69KV	39	0.03148	-0.06083	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	HARRINGTON 230KV	1066	0.03048	-0.05983	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	HUBRCO2 69KV	11	0.03166	-0.06101	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	NICHOLS 115KV	213	0.03767	-0.06702	7

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

SPS	TUCUMCARI 115KV	15	-0.02935	SPS	NICHOLS 230KV	206.8042	0.03048	-0.05983	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	SIDRCH 69KV	20	0.03166	-0.06101	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	STEER WATER 115KV	8	0.03465	-0.064	7
SPS	CARLSBAD 69KV	18	-0.03669	SPS	WILWIND 230KV	16	0.01717	-0.05386	8
SPS	MADOX 115KV	10	-0.03799	SPS	WILWIND 230KV	16	0.01717	-0.05516	8
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	WILWIND 230KV	16	0.01717	-0.0556	8
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	MOORE COUNTY 115KV	48	0.02921	-0.05856	8
SPS	TOLK 230KV	56.03098	-0.03413	SPS	WILWIND 230KV	16	0.01717	-0.0513	9
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	WILWIND 230KV	16	0.01717	-0.04652	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: CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 & Potter - Roosevelt 345KV &
Upgrade: ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: HAPPY INTERCHANGE - PALODU 115KV CKT 1
Direction: To->From
Line Outage: SWISHER COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Flowgate: 513025108215132151320144 11SP
Date Redispatch Needed: 6/1/11 - 10/1/11
Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090298	0.1	0.4
1090301	0.1	0.4
1090322	0.1	0.4
1090487	0.2	0.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	LP-BRND2 69KV	108	-0.04474	SPS	NICHOLS 115KV	213	0.03767	-0.08241	5
SPS	CARLSBAD 69KV	18	-0.03669	SPS	NICHOLS 115KV	213	0.03767	-0.07436	6
SPS	CARLSBAD 69KV	18	-0.03669	SPS	STEER WATER 115KV	8	0.03465	-0.07134	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	BLACKHAWK 115KV	220	0.03147	-0.07621	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	CZ 69KV	39	0.03148	-0.07622	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	HARRINGTON 230KV	1066	0.03048	-0.07522	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	HUBRCO2 69KV	11	0.03166	-0.0764	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	MOORE COUNTY 115KV	48	0.02921	-0.07395	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	NICHOLS 230KV	206.8042	0.03048	-0.07522	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	SIDRCH 69KV	20	0.03166	-0.0764	6
SPS	LP-BRND2 69KV	108	-0.04474	SPS	STEER WATER 115KV	8	0.03465	-0.07939	6
SPS	MADOX 115KV	10	-0.03799	SPS	BLACKHAWK 115KV	220	0.03147	-0.06946	6
SPS	MADOX 115KV	10	-0.03799	SPS	CZ 69KV	39	0.03148	-0.06947	6
SPS	MADOX 115KV	10	-0.03799	SPS	HUBRCO2 69KV	11	0.03166	-0.06965	6
SPS	MADOX 115KV	10	-0.03799	SPS	NICHOLS 115KV	213	0.03767	-0.07566	6
SPS	MADOX 115KV	10	-0.03799	SPS	SIDRCH 69KV	20	0.03166	-0.06965	6
SPS	MADOX 115KV	10	-0.03799	SPS	STEER WATER 115KV	8	0.03465	-0.07264	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	BLACKHAWK 115KV	220	0.03147	-0.0699	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	CZ 69KV	39	0.03148	-0.06991	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	HARRINGTON 230KV	1066	0.03048	-0.06891	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	HUBRCO2 69KV	11	0.03166	-0.07009	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	NICHOLS 115KV	213	0.03767	-0.0761	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06891	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	SIDRCH 69KV	20	0.03166	-0.07009	6
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	STEER WATER 115KV	8	0.03465	-0.07308	6
SPS	TOLK 230KV	56.03098	-0.03413	SPS	NICHOLS 115KV	213	0.03767	-0.0718	6
SPS	TOLK 230KV	56.03098	-0.03413	SPS	STEER WATER 115KV	8	0.03465	-0.06878	6
SPS	CARLSBAD 69KV	18	-0.03669	SPS	BLACKHAWK 115KV	220	0.03147	-0.06816	7
SPS	CARLSBAD 69KV	18	-0.03669	SPS	CZ 69KV	39	0.03148	-0.06817	7
SPS	CARLSBAD 69KV	18	-0.03669	SPS	HARRINGTON 230KV	1066	0.03048	-0.06717	7
SPS	CARLSBAD 69KV	18	-0.03669	SPS	HUBRCO2 69KV	11	0.03166	-0.06835	7
SPS	CARLSBAD 69KV	18	-0.03669	SPS	MOORE COUNTY 115KV	48	0.02921	-0.0659	7
SPS	CARLSBAD 69KV	18	-0.03669	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06717	7
SPS	CARLSBAD 69KV	18	-0.03669	SPS	SIDRCH 69KV	20	0.03166	-0.06835	7
SPS	LP-BRND2 69KV	108	-0.04474	SPS	WILWIND 230KV	16	0.01717	-0.06191	7
SPS	MADOX 115KV	10	-0.03799	SPS	HARRINGTON 230KV	1066	0.03048	-0.06847	7
SPS	MADOX 115KV	10	-0.03799	SPS	MOORE COUNTY 115KV	48	0.02921	-0.0672	7
SPS	MADOX 115KV	10	-0.03799	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06847	7
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	MOORE COUNTY 115KV	48	0.02921	-0.06764	7
SPS	TOLK 230KV	56.03098	-0.03413	SPS	BLACKHAWK 115KV	220	0.03147	-0.0656	7
SPS	TOLK 230KV	56.03098	-0.03413	SPS	CZ 69KV	39	0.03148	-0.06561	7
SPS	TOLK 230KV	56.03098	-0.03413	SPS	HARRINGTON 230KV	1066	0.03048	-0.06461	7
SPS	TOLK 230KV	56.03098	-0.03413	SPS	HUBRCO2 69KV	11	0.03166	-0.06579	7
SPS	TOLK 230KV	56.03098	-0.03413	SPS	MOORE COUNTY 115KV	48	0.02921	-0.06334	7
SPS	TOLK 230KV	56.03098	-0.03413	SPS	NICHOLS 230KV	206.8042	0.03048	-0.06461	7
SPS	TOLK 230KV	56.03098	-0.03413	SPS	SIDRCH 69KV	20	0.03166	-0.06579	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	BLACKHAWK 115KV	220	0.03147	-0.06082	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	CZ 69KV	39	0.03148	-0.06083	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	HARRINGTON 230KV	1066	0.03048	-0.05983	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	HUBRCO2 69KV	11	0.03166	-0.06101	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	NICHOLS 115KV	213	0.03767	-0.06702	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	NICHOLS 230KV	206.8042	0.03048	-0.05983	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	SIDRCH 69KV	20	0.03166	-0.06101	7
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	STEER WATER 115KV	8	0.03465	-0.064	7
SPS	CARLSBAD 69KV	18	-0.03669	SPS	WILWIND 230KV	16	0.01717	-0.05386	8
SPS	MADOX 115KV	10	-0.03799	SPS	WILWIND 230KV	16	0.01717	-0.05516	8
SPS	MUSTG5 118.0 230KV	150	-0.03843	SPS	WILWIND 230KV	16	0.01717	-0.0556	8
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	MOORE COUNTY 115KV	48	0.02921	-0.05856	8
SPS	TOLK 230KV	56.03098	-0.03413	SPS	WILWIND 230KV	16	0.01717	-0.0513	9
SPS	TUCUMCARI 115KV	15	-0.02935	SPS	WILWIND 230KV	16	0.01717	-0.04652	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: FT SUPPLY - WOODWARD 69KV CKT 1
Limiting Facility: FT SUPPLY - WOODWARD 69KV CKT 1
Direction: From->To
Line Outage: FT SUPPLY - IODINE 138KV CKT 1
Flowgate: 55919560961559205595714407FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

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

Reservation	Relief Amount	Aggregate Relief Amount
1086238	1.6	1.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	ANADARKO 138KV	53.78707	-0.00101	WFEC	SLEEPING BEAR 138KV	96	0.78989	-0.7909	2
WFEC	ANADARKO 138KV	90	-0.00101	WFEC	SLEEPING BEAR 138KV	96	0.78989	-0.7909	2
WFEC	ANADARKO 69KV	76	-0.00098	WFEC	SLEEPING BEAR 138KV	96	0.78989	-0.79087	2
WFEC	BLUCAN14 138 138KV	151.2	-0.00112	WFEC	SLEEPING BEAR 138KV	96	0.78989	-0.79101	2
WFEC	MORLND 138KV	320	-0.01333	WFEC	SLEEPING BEAR 138KV	96	0.78989	-0.80322	2

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

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: 559195592015592055957 11107FA
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	16.0	16.0
1086238	16.0	16.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	ANADARKO 138KV	39.82554	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 138KV	39.82554	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 138KV	90	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 138KV	90	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 69KV	76	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 69KV	76	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	BLUCAN14 138 138KV	151.2	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	BLUCAN14 138 138KV	151.2	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	MORLND 138KV	320	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	MORLND 138KV	320	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16

Maximum Decrement and Maximum Increment were determine from the 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: 559195592015592055957 11407WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	16.0	16.0
1086238	16.0	16.0

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	16
WFEC	ANADARKO 138KV	90	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 69KV	76	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 69KV	76	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	BLUCAN14 138 138KV	151.2	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	BLUCAN14 138 138KV	151.2	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	MORLND 138KV	148.952	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	MORLND 138KV	148.952	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16

Maximum Decrement and Maximum Increment were determine from the 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: 559195592015592055957 14107SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1086238	16.0	16.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	ANADARKO 138KV	8.786888	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 138KV	90	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 69KV	76	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	BLUCAN14 138 138KV	151.2	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	MORLND 138KV	159.9824	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16

Maximum Decrement and Maximum Increment were determine from the 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: 559195592015592055957 14407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

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

Reservation	Relief Amount	Aggregate Relief Amount
1086238	16.0	16.0

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	16
WFEC	ANADARKO 69KV	76	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	BLUCAN14 138 138KV	151.2	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	MORLND 138KV	39.51605	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16

Maximum Decrement and Maximum Increment were determine from the 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: 559195592015595759991107FA
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	16.0	16.0
1086238	16.0	16.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	ANADARKO 138KV	39.82554	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 138KV	39.82554	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 138KV	90	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 138KV	90	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 69KV	76	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 69KV	76	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	BLUCAN14 138 138KV	151.2	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	BLUCAN14 138 138KV	151.2	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	MORLND 138KV	320	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	MORLND 138KV	320	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16

Maximum Decrement and Maximum Increment were determine from the 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: 559195592015595759991107WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	16.0	16.0
1086238	16.0	16.0

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	16
WFEC	ANADARKO 138KV	90	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 69KV	76	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 69KV	76	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	BLUCAN14 138 138KV	151.2	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	BLUCAN14 138 138KV	151.2	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	MORLND 138KV	133.0715	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	MORLND 138KV	133.0715	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16

Maximum Decrement and Maximum Increment were determine from the 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: 559195592015595759991107SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1086238	16.0	16.0
1086238	16.0	16.0

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	16
WFEC	ANADARKO 138KV	90	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 69KV	76	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	ANADARKO 69KV	76	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	BLUCAN14 138 138KV	151.2	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	BLUCAN14 138 138KV	151.2	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	MORLND 138KV	174.1555	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	MORLND 138KV	174.1555	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16

Maximum Decrement and Maximum Increment were determine from the 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: 559195592015595759991410 7SP

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

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

Reservation	Relief Amount	Aggregate Relief Amount
1086238	16.0	16.0

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	16
WFEC	ANADARKO 69KV	76	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	BLUCAN14 138 138KV	151.2	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16
WFEC	MORLND 138KV	25.26624	0	WFEC	SLEEPING BEAR 138KV	96	1	-1	16

Maximum Decrement and Maximum Increment were determine from the 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: 57795577981577955781311107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090817	2.8	7.8
1090964	3.9	7.8
1090965	1.1	7.8

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	33
WERE	CITY OF IOLA 69KV	13.361	-0.00105	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.23381	33
WERE	GETTY 69KV	35	-0.00429	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.23705	33
WERE	LATHAM1234.0 345KV	150	-0.00298	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.23574	33
WERE	NEOSHO ENERGY CENTER 138KV	47	-0.00104	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.2338	33
WERE	BPU - CITY OF MCPHERSON 115KV	20.12305	0.00281	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.22995	34
WERE	CLAY CENTER JUNCTION 115KV	15.161	0.00075	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.23201	34
WERE	HOLTON 115KV	19.8	-0.00031	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.23307	34
WERE	HUTCHINSON ENERGY CENTER 115KV	133	0.00376	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.229	34
WERE	HUTCHINSON ENERGY CENTER 69KV	12	0.00376	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.229	34
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.00001	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.23277	34
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.00002	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.23278	34
WERE	LAWRENCE ENERGY CENTER 230KV	37.81403	-0.00042	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.23318	34
WERE	SMOKYHIL 230 230KV	72	0.00242	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.23034	34
WERE	SOUTH SENECA 115KV	16.7	-0.00026	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.23302	34
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00029	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.23305	34
WERE	CITY OF WINFIELD 69KV	40	0.02492	WERE	GILL ENERGY CENTER 69KV	75	0.23276	-0.20784	38
WERE	GETTY 69KV	35	-0.00429	WERE	CITY OF WELLINGTON 69KV	41.45	0.11094	-0.11523	68
WERE	LATHAM1234.0 345KV	150	-0.00298	WERE	CITY OF WELLINGTON 69KV	41.45	0.11094	-0.11392	69
WERE	CHANUTE 69KV	31.077	-0.00115	WERE	CITY OF WELLINGTON 69KV	41.45	0.11094	-0.11209	70
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.00001	WERE	CITY OF WELLINGTON 69KV	41.45	0.11094	-0.11095	70
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.00002	WERE	CITY OF WELLINGTON 69KV	41.45	0.11094	-0.11096	70
WERE	LAWRENCE ENERGY CENTER 230KV	37.81403	-0.00042	WERE	CITY OF WELLINGTON 69KV	41.45	0.11094	-0.11136	70
WERE	NEOSHO ENERGY CENTER 138KV	47	-0.00104	WERE	CITY OF WELLINGTON 69KV	41.45	0.11094	-0.11198	70
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00029	WERE	CITY OF WELLINGTON 69KV	41.45	0.11094	-0.11123	70
WERE	SMOKYHIL 230 230KV	72	0.00242	WERE	CITY OF WELLINGTON 69KV	41.45	0.11094	-0.10852	72
WERE	HUTCHINSON ENERGY CENTER 115KV	133	0.00376	WERE	CITY OF WELLINGTON 69KV	41.45	0.11094	-0.10718	73
WERE	CITY OF WINFIELD 69KV	40	0.02492	WERE	CITY OF WELLINGTON 69KV	41.45	0.11094	-0.08602	91
WERE	GETTY 69KV	35	-0.00429	WERE	GILL ENERGY CENTER 138KV	171	0.07579	-0.08008	98
WERE	LATHAM1234.0 345KV	150	-0.00298	WERE	GILL ENERGY CENTER 138KV	171	0.07579	-0.07877	99
WERE	NEOSHO ENERGY CENTER 138KV	47	-0.00104	WERE	GILL ENERGY CENTER 138KV	171	0.07579	-0.07683	102
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.00002	WERE	GILL ENERGY CENTER 138KV	171	0.07579	-0.07581	103
WERE	LAWRENCE ENERGY CENTER 230KV	37.81403	-0.00042	WERE	GILL ENERGY CENTER 138KV	171	0.07579	-0.07621	103
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00029	WERE	GILL ENERGY CENTER 138KV	171	0.07579	-0.07608	103
WERE	SMOKYHIL 230 230KV	72	0.00242	WERE	GILL ENERGY CENTER 138KV	171	0.07579	-0.07337	107
WERE	HUTCHINSON ENERGY CENTER 115KV	133	0.00376	WERE	GILL ENERGY CENTER 138KV	171	0.07579	-0.07203	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: 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
1090817	1.9	5.3
1090964	2.7	5.3
1090965	0.8	5.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	GETTY 69KV	35	-0.00454	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.16331	32
WERE	CHANUTE 69KV	31.077	-0.00115	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.15992	33
WERE	CITY OF IOLA 69KV	13.361	-0.00102	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.15979	33
WERE	HOLTON 115KV	19.8	-0.00013	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.1589	33
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00024	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.15853	33
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00023	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.15854	33
WERE	LATHAM1234.0 345KV	150	-0.00278	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.16155	33
WERE	LAWRENCE ENERGY CENTER 230KV	37.81403	-0.0001	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.15887	33
WERE	NEOSHO ENERGY CENTER 138KV	47	-0.001	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.15977	33
WERE	SOUTH SENECA 115KV	16.7	-0.0002	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.15897	33
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.00002	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.15875	33
WERE	BPU - CITY OF MCPHERSON 115KV	20.12305	0.00237	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.1564	34
WERE	CLAY CENTER JUNCTION 115KV	15.161	0.00084	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.15793	34
WERE	HUTCHINSON ENERGY CENTER 115KV	133	0.00309	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.15568	34
WERE	HUTCHINSON ENERGY CENTER 69KV	12	0.0031	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.15567	34

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

WERE	SMOKYHIL 230 230KV	72	0.00207	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.1567	34
WERE	CITY OF WINFIELD 69KV	40	0.01598	WERE	GILL ENERGY CENTER 69KV	75	0.15877	-0.14279	37
WERE	GETTY 69KV	35	-0.00454	WERE	CITY OF WELLINGTON 69KV	41.45	0.07514	-0.07968	67
WERE	LATHAM1234.0 345KV	150	-0.00278	WERE	CITY OF WELLINGTON 69KV	41.45	0.07514	-0.07792	68
WERE	CHANUTE 69KV	31.077	-0.00115	WERE	CITY OF WELLINGTON 69KV	41.45	0.07514	-0.07629	70
WERE	NEOSHO ENERGY CENTER 138KV	47	-0.001	WERE	CITY OF WELLINGTON 69KV	41.45	0.07514	-0.07614	70
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00024	WERE	CITY OF WELLINGTON 69KV	41.45	0.07514	-0.0749	71
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00023	WERE	CITY OF WELLINGTON 69KV	41.45	0.07514	-0.07491	71
WERE	LAWRENCE ENERGY CENTER 230KV	37.81403	-0.0001	WERE	CITY OF WELLINGTON 69KV	41.45	0.07514	-0.07524	71
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.00002	WERE	CITY OF WELLINGTON 69KV	41.45	0.07514	-0.07512	71
WERE	SMOKYHIL 230 230KV	72	0.00207	WERE	CITY OF WELLINGTON 69KV	41.45	0.07514	-0.07307	73
WERE	HUTCHINSON ENERGY CENTER 115KV	133	0.00309	WERE	CITY OF WELLINGTON 69KV	41.45	0.07514	-0.07205	74
WERE	GETTY 69KV	35	-0.00454	WERE	GILL ENERGY CENTER 138KV	171	0.05751	-0.06205	86
WERE	LATHAM1234.0 345KV	150	-0.00278	WERE	GILL ENERGY CENTER 138KV	171	0.05751	-0.06029	88
WERE	CHANUTE 69KV	31.077	-0.00115	WERE	GILL ENERGY CENTER 138KV	171	0.05751	-0.05866	90
WERE	CITY OF WINFIELD 69KV	40	0.01598	WERE	CITY OF WELLINGTON 69KV	41.45	0.07514	-0.05916	90
WERE	NEOSHO ENERGY CENTER 138KV	47	-0.001	WERE	GILL ENERGY CENTER 138KV	171	0.05751	-0.05851	91
WERE	LAWRENCE ENERGY CENTER 230KV	37.81403	-0.0001	WERE	GILL ENERGY CENTER 138KV	171	0.05751	-0.05761	92
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.00002	WERE	GILL ENERGY CENTER 138KV	171	0.05751	-0.05749	92
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00023	WERE	GILL ENERGY CENTER 138KV	171	0.05751	-0.05728	93
WERE	SMOKYHIL 230 230KV	72	0.00207	WERE	GILL ENERGY CENTER 138KV	171	0.05751	-0.05544	96
WERE	HUTCHINSON ENERGY CENTER 115KV	133	0.00309	WERE	GILL ENERGY CENTER 138KV	171	0.05751	-0.05442	98

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

Upgrade: 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: 5779557813157795577981110 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090817	2.4	6.7
1090964	3.4	6.7
1090965	1.0	6.7

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	-0.00107	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.20091	33
WERE	CITY OF IOLA 69KV	13.361	-0.00097	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.20081	33
WERE	GETTY 69KV	35	-0.00407	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.20391	33
WERE	LATHAM1234.0 345KV	150	-0.00272	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.20256	33
WERE	NEOSHO ENERGY CENTER 138KV	47	-0.00095	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.20079	33
WERE	BPU - CITY OF MCPHERSON 115KV	20.12305	0.00251	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.19733	34
WERE	CLAY CENTER JUNCTION 115KV	15.161	0.00073	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.19911	34
WERE	HOLTON 115KV	19.8	-0.00023	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.20007	34
WERE	HUTCHINSON ENERGY CENTER 115KV	133	0.00334	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.1965	34
WERE	HUTCHINSON ENERGY CENTER 69KV	12	0.00335	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.19649	34
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00006	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.19978	34
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00005	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.19979	34
WERE	LAWRENCE ENERGY CENTER 230KV	37.81403	-0.0003	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.20014	34
WERE	SMOKYHIL 230 230KV	72	0.00217	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.19767	34
WERE	SOUTH SENECA 115KV	16.7	-0.00022	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.20006	34
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00018	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.20002	34
WERE	CITY OF WINFIELD 69KV	40	0.02085	WERE	GILL ENERGY CENTER 69KV	75	0.19984	-0.17899	37
WERE	GETTY 69KV	35	-0.00407	WERE	CITY OF WELLINGTON 69KV	41.45	0.09494	-0.09901	68
WERE	LATHAM1234.0 345KV	150	-0.00272	WERE	CITY OF WELLINGTON 69KV	41.45	0.09494	-0.09766	69
WERE	CHANUTE 69KV	31.077	-0.00107	WERE	CITY OF WELLINGTON 69KV	41.45	0.09494	-0.09601	70
WERE	LAWRENCE ENERGY CENTER 230KV	37.81403	-0.0003	WERE	CITY OF WELLINGTON 69KV	41.45	0.09494	-0.09524	70
WERE	NEOSHO ENERGY CENTER 138KV	47	-0.00095	WERE	CITY OF WELLINGTON 69KV	41.45	0.09494	-0.09589	70
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00006	WERE	CITY OF WELLINGTON 69KV	41.45	0.09494	-0.09488	71
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00005	WERE	CITY OF WELLINGTON 69KV	41.45	0.09494	-0.09489	71
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00018	WERE	CITY OF WELLINGTON 69KV	41.45	0.09494	-0.09512	71
WERE	SMOKYHIL 230 230KV	72	0.00217	WERE	CITY OF WELLINGTON 69KV	41.45	0.09494	-0.09277	72
WERE	HUTCHINSON ENERGY CENTER 115KV	133	0.00334	WERE	CITY OF WELLINGTON 69KV	41.45	0.09494	-0.0916	73
WERE	CITY OF WINFIELD 69KV	40	0.02085	WERE	CITY OF WELLINGTON 69KV	41.45	0.09494	-0.07409	91
WERE	GETTY 69KV	35	-0.00407	WERE	GILL ENERGY CENTER 138KV	171	0.066	-0.07007	96
WERE	LATHAM1234.0 345KV	150	-0.00272	WERE	GILL ENERGY CENTER 138KV	171	0.066	-0.06872	98
WERE	NEOSHO ENERGY CENTER 138KV	47	-0.00095	WERE	GILL ENERGY CENTER 138KV	171	0.066	-0.06695	100
WERE	LAWRENCE ENERGY CENTER 230KV	37.81403	-0.0003	WERE	GILL ENERGY CENTER 138KV	171	0.066	-0.0663	101
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00018	WERE	GILL ENERGY CENTER 138KV	171	0.066	-0.06618	101
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00005	WERE	GILL ENERGY CENTER 138KV	171	0.066	-0.06595	102
WERE	SMOKYHIL 230 230KV	72	0.00217	WERE	GILL ENERGY CENTER 138KV	171	0.066	-0.06383	105
WERE	HUTCHINSON ENERGY CENTER 115KV	133	0.00334	WERE	GILL ENERGY CENTER 138KV	171	0.066	-0.06266	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: 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
1090817	1.8	5.2
1090964	2.6	5.2
1090965	0.7	5.2

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	21
WERE	CHANUTE 69KV	31.077	-0.00102	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.15542	33
WERE	CITY OF IOLA 69KV	13.361	-0.00091	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.15531	33
WERE	GETTY 69KV	35	-0.00405	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.15845	33
WERE	HOLTON 115KV	19.8	-0.00011	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.15451	33

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

WERE	LATHAM1234.0 345KV	150	-0.00246	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.15686	33
WERE	LAWRENCE ENERGY CENTER 230KV	37.81403	-0.0001	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.1545	33
WERE	NEOSHO ENERGY CENTER 138KV	47	-0.00089	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.15529	33
WERE	SOUTH SENECA 115KV	16.7	-0.00016	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.15456	33
WERE	BPU - CITY OF MCPHERSON 115KV	20.12305	0.00218	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.15222	34
WERE	CLAY CENTER JUNCTION 115KV	15.161	0.00076	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.15364	34
WERE	HUTCHINSON ENERGY CENTER 115KV	133	0.00284	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.15156	34
WERE	HUTCHINSON ENERGY CENTER 69KV	12	0.00285	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.15155	34
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00021	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.15419	34
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00021	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.15419	34
WERE	SMOKYHIL 230 230KV	72	0.0019	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.1525	34
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.00001	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.15439	34
WERE	CITY OF WINFIELD 69KV	40	0.01485	WERE	GILL ENERGY CENTER 69KV	75	0.1544	-0.13955	37
WERE	GETTY 69KV	35	-0.00405	WERE	CITY OF WELLINGTON 69KV	41.45	0.07262	-0.07667	67
WERE	LATHAM1234.0 345KV	150	-0.00246	WERE	CITY OF WELLINGTON 69KV	41.45	0.07262	-0.07508	69
WERE	CHANUTE 69KV	31.077	-0.00102	WERE	CITY OF WELLINGTON 69KV	41.45	0.07262	-0.07364	70
WERE	NEOSHO ENERGY CENTER 138KV	47	-0.00089	WERE	CITY OF WELLINGTON 69KV	41.45	0.07262	-0.07351	70
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00021	WERE	CITY OF WELLINGTON 69KV	41.45	0.07262	-0.07241	71
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00021	WERE	CITY OF WELLINGTON 69KV	41.45	0.07262	-0.07241	71
WERE	LAWRENCE ENERGY CENTER 230KV	37.81403	-0.0001	WERE	CITY OF WELLINGTON 69KV	41.45	0.07262	-0.07272	71
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.00001	WERE	CITY OF WELLINGTON 69KV	41.45	0.07262	-0.07261	71
WERE	SMOKYHIL 230 230KV	72	0.0019	WERE	CITY OF WELLINGTON 69KV	41.45	0.07262	-0.07072	73
WERE	HUTCHINSON ENERGY CENTER 115KV	133	0.00284	WERE	CITY OF WELLINGTON 69KV	41.45	0.07262	-0.06978	74
WERE	CITY OF WINFIELD 69KV	40	0.01485	WERE	CITY OF WELLINGTON 69KV	41.45	0.07262	-0.05777	90
WERE	GETTY 69KV	35	-0.00405	WERE	GILL ENERGY CENTER 138KV	171	0.05317	-0.05722	90
WERE	LATHAM1234.0 345KV	150	-0.00246	WERE	GILL ENERGY CENTER 138KV	171	0.05317	-0.05563	93
WERE	NEOSHO ENERGY CENTER 138KV	47	-0.00089	WERE	GILL ENERGY CENTER 138KV	171	0.05317	-0.05406	96
WERE	LAWRENCE ENERGY CENTER 230KV	37.81403	-0.0001	WERE	GILL ENERGY CENTER 138KV	171	0.05317	-0.05327	97
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.00001	WERE	GILL ENERGY CENTER 138KV	171	0.05317	-0.05316	97
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00021	WERE	GILL ENERGY CENTER 138KV	171	0.05317	-0.05296	98
WERE	SMOKYHIL 230 230KV	72	0.0019	WERE	GILL ENERGY CENTER 138KV	171	0.05317	-0.05127	101
WERE	HUTCHINSON ENERGY CENTER 115KV	133	0.00284	WERE	GILL ENERGY CENTER 138KV	171	0.05317	-0.05033	103

Maximum Decrement and Maximum Increment were determine from the 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: 559425600015599956001144O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	1.5	1.5
1086238	1.5	1.5

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	15
WFEC	ANADARKO 138KV	90	-0.01306	WFEC	MORLND 138KV	280.4839	0.08457	-0.09763	15
WFEC	ANADARKO 138KV	90	-0.01306	WFEC	SLEEPING BEAR 138KV	96	0.0862	-0.09926	15
WFEC	ANADARKO 138KV	90	-0.01306	WFEC	SLEEPING BEAR 138KV	96	0.0862	-0.09926	15
WFEC	ANADARKO 69KV	76	-0.01142	WFEC	SLEEPING BEAR 138KV	96	0.0862	-0.09762	15
WFEC	ANADARKO 69KV	76	-0.01142	WFEC	SLEEPING BEAR 138KV	96	0.0862	-0.09762	15
WFEC	BLUCAN14 138 138KV	151.2	-0.01552	WFEC	MORLND 138KV	280.4839	0.08457	-0.10009	15
WFEC	BLUCAN14 138 138KV	151.2	-0.01552	WFEC	MORLND 138KV	280.4839	0.08457	-0.10009	15
WFEC	BLUCAN14 138 138KV	151.2	-0.01552	WFEC	SLEEPING BEAR 138KV	96	0.0862	-0.10172	15
WFEC	BLUCAN14 138 138KV	151.2	-0.01552	WFEC	SLEEPING BEAR 138KV	96	0.0862	-0.10172	15
WFEC	ANADARKO 69KV	76	-0.01142	WFEC	MORLND 138KV	280.4839	0.08457	-0.09599	16
WFEC	ANADARKO 69KV	76	-0.01142	WFEC	MORLND 138KV	280.4839	0.08457	-0.09599	16
OKGE	HORSESHOE LAKE 138KV	191.938	0.00198	OKGE	FPLWND2 34KV	102	0.08465	-0.08267	18
OKGE	HORSESHOE LAKE 138KV	191.938	0.00198	OKGE	FPLWND2 34KV	102	0.08465	-0.08267	18
OKGE	MCCLAIN 138KV	42	0.00175	OKGE	FPLWND2 34KV	102	0.08465	-0.0829	18
OKGE	MCCLAIN 138KV	42	0.00175	OKGE	FPLWND2 34KV	102	0.08465	-0.0829	18
OKGE	MUSKOGEE 161KV	166	0.00099	OKGE	FPLWND2 34KV	102	0.08465	-0.08366	18
OKGE	MUSKOGEE 161KV	166	0.00099	OKGE	FPLWND2 34KV	102	0.08465	-0.08366	18
OKGE	MUSKOGEE 161KV	31	0.00099	OKGE	FPLWND2 34KV	102	0.08465	-0.08366	18
OKGE	MUSKOGEE 161KV	31	0.00099	OKGE	FPLWND2 34KV	102	0.08465	-0.08366	18
OKGE	MUSKOGEE 345KV	20	0.00098	OKGE	FPLWND2 34KV	102	0.08465	-0.08367	18
OKGE	MUSKOGEE 345KV	20	0.00098	OKGE	FPLWND2 34KV	102	0.08465	-0.08367	18
OKGE	REDBUD 345KV	900	0.00224	OKGE	FPLWND2 34KV	102	0.08465	-0.08241	18
OKGE	REDBUD 345KV	900	0.00224	OKGE	FPLWND2 34KV	102	0.08465	-0.08241	18
OKGE	REDBUD 345KV	300	0.00224	OKGE	FPLWND2 34KV	102	0.08465	-0.08241	18
OKGE	REDBUD 345KV	300	0.00224	OKGE	FPLWND2 34KV	102	0.08465	-0.08241	18
OKGE	SEMINOLE 138KV	13.01648	0.00043	OKGE	FPLWND2 34KV	102	0.08465	-0.08422	18
OKGE	SEMINOLE 138KV	13.01648	0.00043	OKGE	FPLWND2 34KV	102	0.08465	-0.08422	18
OKGE	TINKER 5G 138KV	62	0.00145	OKGE	FPLWND2 34KV	102	0.08465	-0.0832	18
OKGE	TINKER 5G 138KV	62	0.00145	OKGE	FPLWND2 34KV	102	0.08465	-0.0832	18
OKGE	ONE OAK 345KV	261	0.00295	OKGE	FPLWND2 34KV	102	0.08465	-0.0817	19
OKGE	ONE OAK 345KV	261	0.00295	OKGE	FPLWND2 34KV	102	0.08465	-0.0817	19
OKGE	SOONER 138KV	24.99997	0.0068	OKGE	FPLWND2 34KV	102	0.08465	-0.07785	19
OKGE	SOONER 138KV	24.99997	0.0068	OKGE	FPLWND2 34KV	102	0.08465	-0.07785	19
OKGE	SOUTH 4TH ST 69KV	42.7	0.02149	OKGE	FPLWND2 34KV	102	0.08465	-0.06316	24
OKGE	SOUTH 4TH ST 69KV	42.7	0.02149	OKGE	FPLWND2 34KV	102	0.08465	-0.06316	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: 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	1.5	1.5
1086238	1.5	1.5

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)
WFEC	ANADARKO 138KV	90	-0.01307	WFEC	MORLND 138KV	171.048	0.08456	-0.09763	15
WFEC	ANADARKO 138KV	90	-0.01307	WFEC	MORLND 138KV	171.048	0.08456	-0.09763	15
WFEC	ANADARKO 138KV	90	-0.01307	WFEC	SLEEPING BEAR 138KV	96	0.08619	-0.09926	15
WFEC	ANADARKO 138KV	90	-0.01307	WFEC	SLEEPING BEAR 138KV	96	0.08619	-0.09926	15
WFEC	ANADARKO 69KV	76	-0.01144	WFEC	SLEEPING BEAR 138KV	96	0.08619	-0.09763	15
WFEC	ANADARKO 69KV	76	-0.01144	WFEC	SLEEPING BEAR 138KV	96	0.08619	-0.09763	15
WFEC	BLUCAN14 138 138KV	151.2	-0.01553	WFEC	MORLND 138KV	171.048	0.08456	-0.10009	15
WFEC	BLUCAN14 138 138KV	151.2	-0.01553	WFEC	MORLND 138KV	171.048	0.08456	-0.10009	15
WFEC	BLUCAN14 138 138KV	151.2	-0.01553	WFEC	SLEEPING BEAR 138KV	96	0.08619	-0.10172	15
WFEC	BLUCAN14 138 138KV	151.2	-0.01553	WFEC	SLEEPING BEAR 138KV	96	0.08619	-0.10172	15
WFEC	ANADARKO 69KV	76	-0.01144	WFEC	MORLND 138KV	171.048	0.08456	-0.096	16
WFEC	ANADARKO 69KV	76	-0.01144	WFEC	MORLND 138KV	171.048	0.08456	-0.096	16
OKGE	AES 161KV	78.99999	0.00058	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0897	17
OKGE	AES 161KV	78.99999	0.00058	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0897	17
OKGE	HORSESHOE LAKE 138KV	380	0.00196	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08832	17
OKGE	HORSESHOE LAKE 138KV	380	0.00196	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08832	17
OKGE	HORSESHOE LAKE 138KV	380.5	0.00196	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08832	17
OKGE	HORSESHOE LAKE 138KV	380.5	0.00196	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08832	17
OKGE	HORSESHOE LAKE 138KV	91	0.00196	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08832	17
OKGE	HORSESHOE LAKE 138KV	91	0.00196	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08832	17
OKGE	HORSESHOE LAKE 69KV	16	0.00174	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08854	17
OKGE	HORSESHOE LAKE 69KV	16	0.00174	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08854	17
OKGE	MCCLAIN 138KV	42	0.00174	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08854	17
OKGE	MCCLAIN 138KV	42	0.00174	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08854	17
OKGE	MUSKOGEE 161KV	166	0.00098	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0893	17
OKGE	MUSKOGEE 161KV	166	0.00098	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0893	17
OKGE	MUSKOGEE 161KV	31	0.00098	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0893	17
OKGE	MUSKOGEE 161KV	31	0.00098	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0893	17
OKGE	MUSKOGEE 345KV	20	0.00096	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08932	17
OKGE	MUSKOGEE 345KV	20	0.00096	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08932	17
OKGE	MUSTANG 138KV	365.5	0.00244	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08784	17
OKGE	MUSTANG 138KV	365.5	0.00244	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08784	17
OKGE	MUSTANG 69KV	106	0.00321	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08707	17
OKGE	MUSTANG 69KV	106	0.00321	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08707	17
OKGE	ONE OAK 345KV	334	0.00294	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08734	17
OKGE	ONE OAK 345KV	334	0.00294	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08734	17
OKGE	REDBUD 345KV	900	0.00223	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08805	17
OKGE	REDBUD 345KV	900	0.00223	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08805	17
OKGE	REDBUD 345KV	300	0.00223	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08805	17
OKGE	REDBUD 345KV	300	0.00223	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08805	17
OKGE	SEMINOLE 138KV	321.1996	0.00042	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08986	17
OKGE	SEMINOLE 138KV	321.1996	0.00042	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08986	17
OKGE	SEMINOLE 345KV	507.6	0.0009	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08938	17
OKGE	SEMINOLE 345KV	507.6	0.0009	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08938	17
OKGE	TINKER 5G 138KV	62	0.00143	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08885	17
OKGE	TINKER 5G 138KV	62	0.00143	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08885	17
OKGE	AES 161KV	78.99999	0.00058	OKGE	FPLWND2 34KV	102	0.08464	-0.08406	18
OKGE	AES 161KV	78.99999	0.00058	OKGE	FPLWND2 34KV	102	0.08464	-0.08406	18
OKGE	HORSESHOE LAKE 138KV	380	0.00196	OKGE	FPLWND2 34KV	102	0.08464	-0.08268	18
OKGE	HORSESHOE LAKE 138KV	380	0.00196	OKGE	FPLWND2 34KV	102	0.08464	-0.08268	18
OKGE	HORSESHOE LAKE 138KV	380.5	0.00196	OKGE	FPLWND2 34KV	102	0.08464	-0.08268	18
OKGE	HORSESHOE LAKE 138KV	380.5	0.00196	OKGE	FPLWND2 34KV	102	0.08464	-0.08268	18
OKGE	HORSESHOE LAKE 138KV	91	0.00196	OKGE	FPLWND2 34KV	102	0.08464	-0.08268	18
OKGE	HORSESHOE LAKE 138KV	91	0.00196	OKGE	FPLWND2 34KV	102	0.08464	-0.08268	18
OKGE	HORSESHOE LAKE 69KV	16	0.00174	OKGE	FPLWND2 34KV	102	0.08464	-0.0829	18
OKGE	HORSESHOE LAKE 69KV	16	0.00174	OKGE	FPLWND2 34KV	102	0.08464	-0.0829	18
OKGE	MCCLAIN 138KV	42	0.00174	OKGE	FPLWND2 34KV	102	0.08464	-0.0829	18
OKGE	MCCLAIN 138KV	42	0.00174	OKGE	FPLWND2 34KV	102	0.08464	-0.0829	18
OKGE	MUSKOGEE 161KV	166	0.00098	OKGE	FPLWND2 34KV	102	0.08464	-0.08366	18
OKGE	MUSKOGEE 161KV	166	0.00098	OKGE	FPLWND2 34KV	102	0.08464	-0.08366	18
OKGE	MUSKOGEE 161KV	31	0.00098	OKGE	FPLWND2 34KV	102	0.08464	-0.08366	18
OKGE	MUSKOGEE 161KV	31	0.00098	OKGE	FPLWND2 34KV	102	0.08464	-0.08366	18
OKGE	MUSKOGEE 345KV	20	0.00096	OKGE	FPLWND2 34KV	102	0.08464	-0.08368	18
OKGE	MUSKOGEE 345KV	20	0.00096	OKGE	FPLWND2 34KV	102	0.08464	-0.08368	18
OKGE	MUSTANG 138KV	365.5	0.00244	OKGE	FPLWND2 34KV	102	0.08464	-0.0822	18
OKGE	MUSTANG 138KV	365.5	0.00244	OKGE	FPLWND2 34KV	102	0.08464	-0.0822	18
OKGE	REDBUD 345KV	900	0.00223	OKGE	FPLWND2 34KV	102	0.08464	-0.08241	18
OKGE	REDBUD 345KV	900	0.00223	OKGE	FPLWND2 34KV	102	0.08464	-0.08241	18
OKGE	REDBUD 345KV	300	0.00223	OKGE	FPLWND2 34KV	102	0.08464	-0.08241	18
OKGE	REDBUD 345KV	300	0.00223	OKGE	FPLWND2 34KV	102	0.08464	-0.08241	18
OKGE	SEMINOLE 138KV	321.1996	0.00042	OKGE	FPLWND2 34KV	102	0.08464	-0.08422	18
OKGE	SEMINOLE 138KV	321.1996	0.00042	OKGE	FPLWND2 34KV	102	0.08464	-0.08422	18
OKGE	SEMINOLE 345KV	507.6	0.0009	OKGE	FPLWND2 34KV	102	0.08464	-0.08374	18
OKGE	SEMINOLE 345KV	507.6	0.0009	OKGE	FPLWND2 34KV	102	0.08464	-0.08374	18
OKGE	SOONER 138KV	24.99997	0.00678	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0835	18
OKGE	SOONER 138KV	24.99997	0.00678	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0835	18
OKGE	TINKER 5G 138KV	62	0.00143	OKGE	FPLWND2 34KV	102	0.08464	-0.08321	18
OKGE	TINKER 5G 138KV	62	0.00143	OKGE	FPLWND2 34KV	102	0.08464	-0.08321	18
OKGE	MUSTANG 69KV	106	0.00321	OKGE	FPLWND2 34KV	102	0.08464	-0.08143	19
OKGE	MUSTANG 69KV	106	0.00321	OKGE	FPLWND2 34KV	102	0.08464	-0.08143	19
OKGE	ONE OAK 345KV	334	0.00294	OKGE	FPLWND2 34KV	102	0.08464	-0.0817	19
OKGE	ONE OAK 345KV	334	0.00294	OKGE	FPLWND2 34KV	102	0.08464	-0.0817	19
OKGE	SOONER 138KV	24.99997	0.00678	OKGE	FPLWND2 34KV	102	0.08464	-0.07786	19
OKGE	SOONER 138KV	24.99997	0.00678	OKGE	FPLWND2 34KV	102	0.08464	-0.07786	19
OKGE	SOUTH 4TH ST 69KV	42.7	0.02148	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0688	22
OKGE	SOUTH 4TH ST 69KV	42.7	0.02148	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0688	22
OKGE	SOUTH 4TH ST 69KV	42.7	0.02148	OKGE	FPLWND2 34KV	102	0.08464	-0.06316	24
OKGE	SOUTH 4TH ST 69KV	42.7	0.02148	OKGE	FPLWND2 34KV	102	0.08464	-0.06316	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: 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: 5644856393156420564481210 7SH
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
1090310	2.1	2.5
1090456	0.4	2.5

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	-0.40912	SUNC	GARDEN CITY 115KV	14.4957	0.09327	-0.50239	5
SUNC	CITY OF HUGOTON 69KV	17.07	-0.40912	SUNC	HOLCOMB 115KV	270.3701	0.10162	-0.51074	5
SUNC	JOHNSON 69KV	5.2	-0.37189	SUNC	GARDEN CITY 115KV	14.4957	0.09327	-0.46516	5
SUNC	JOHNSON 69KV	5.2	-0.37189	SUNC	HOLCOMB 115KV	270.3701	0.10162	-0.47351	5
SUNC	CITY OF LAKIN 115KV	4.25	-0.35072	SUNC	GARDEN CITY 115KV	14.4957	0.09327	-0.44399	6
SUNC	CITY OF LAKIN 115KV	4.25	-0.35072	SUNC	HOLCOMB 115KV	270.3701	0.10162	-0.45234	6
WEPL	CIMARRON RIVER 115KV	72	-0.36629	WEPL	A. M. MULLERGREN GENERATOR 115KV	63	0.004	-0.37029	7
WEPL	CIMARRON RIVER 115KV	72	-0.36629	WEPL	CLIFTON 115KV	41.49945	0.00187	-0.36816	7
WEPL	CIMARRON RIVER 115KV	72	-0.36629	WEPL	GRAY COUNTY WIND FARM 115KV	63	-0.07788	-0.28841	9
WEPL	CIMARRON RIVER 115KV	72	-0.36629	WEPL	JUDSON LARGE 115KV	114.0158	-0.07919	-0.2871	9
SUNC	CITY OF GOODLAND 115KV	13.9	-0.01661	SUNC	HOLCOMB 115KV	270.3701	0.10162	-0.11823	21
SUNC	CITY OF GOODLAND 115KV	13.9	-0.01661	SUNC	GARDEN CITY 115KV	14.4957	0.09327	-0.10988	23
SUNC	CITY OF NORTON 115KV	10.56	0.00404	SUNC	HOLCOMB 115KV	270.3701	0.10162	-0.09758	26
SUNC	CITY OF NORTON 115KV	10.56	0.00404	SUNC	GARDEN CITY 115KV	14.4957	0.09327	-0.08923	28

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

Upgrade: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: EXELLT3 - FAIN 115KV CKT 1
Flowgate: 5066950668150676506781140 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	0.5	1.6
1090487	1.1	1.6

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	-0.52826	SPS	CAPROCK 115KV	36	0.01778	-0.54604	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	CUNNINGHAM 115KV	110	0.01669	-0.54495	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	CUNNINGHAM 230KV	306	0.01674	-0.545	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	CZ 69KV	35	-0.02882	-0.49944	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	HARRINGTON 230KV	706	0.01054	-0.5388	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	JONES 230KV	486	0.01445	-0.54271	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	LP-BRND2 69KV	80	0.01433	-0.54259	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	MADOX 115KV	118	0.01668	-0.54494	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	MUSTANG 115KV	300	0.01649	-0.54475	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	MUSTG5 118.0 230KV	210	0.01661	-0.54487	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	NICHOLS 115KV	84.6499	-0.00586	-0.5224	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	PLANTX 115KV	205	0.01731	-0.54557	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	PLANTX 230KV	189	0.01826	-0.54652	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	SAN JUAN 230KV	54	0.01751	-0.54577	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	STEER WATER 115KV	36	-0.01706	-0.5112	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	TOLK 230KV	1023.062	0.01773	-0.54599	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	WILWIND 230KV	72	0.02494	-0.5532	3
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	BLACKHAWK 115KV	220	-0.08276	-0.4455	4
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	HUBRCO2 69KV	5	-0.08652	-0.44174	4
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	SIDRCH 69KV	14	-0.08652	-0.44174	4
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	WILWIND 230KV	72	0.02494	-0.1143	14
SPS	HUBRCO2 69KV	6	-0.08652	SPS	WILWIND 230KV	72	0.02494	-0.11146	15
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	CAPROCK 115KV	36	0.01778	-0.10714	15
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	PLANTX 115KV	205	0.01731	-0.10667	15
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	PLANTX 230KV	189	0.01826	-0.10762	15
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	SAN JUAN 230KV	54	0.01751	-0.10687	15
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	TOLK 230KV	1023.062	0.01773	-0.10709	15
SPS	SIDRCH 69KV	6	-0.08652	SPS	WILWIND 230KV	72	0.02494	-0.11146	15
SPS	HUBRCO2 69KV	6	-0.08652	SPS	CAPROCK 115KV	36	0.01778	-0.1043	16
SPS	HUBRCO2 69KV	6	-0.08652	SPS	CUNNINGHAM 115KV	110	0.01669	-0.10321	16
SPS	HUBRCO2 69KV	6	-0.08652	SPS	CUNNINGHAM 230KV	306	0.01674	-0.10326	16
SPS	HUBRCO2 69KV	6	-0.08652	SPS	JONES 230KV	486	0.01445	-0.10097	16
SPS	HUBRCO2 69KV	6	-0.08652	SPS	LP-BRND2 69KV	80	0.01433	-0.10085	16
SPS	HUBRCO2 69KV	6	-0.08652	SPS	MADOX 115KV	118	0.01668	-0.1032	16
SPS	HUBRCO2 69KV	6	-0.08652	SPS	MUSTANG 115KV	300	0.01649	-0.10301	16
SPS	HUBRCO2 69KV	6	-0.08652	SPS	MUSTG5 118.0 230KV	210	0.01661	-0.10313	16
SPS	HUBRCO2 69KV	6	-0.08652	SPS	PLANTX 115KV	205	0.01731	-0.10383	16
SPS	HUBRCO2 69KV	6	-0.08652	SPS	PLANTX 230KV	189	0.01826	-0.10478	16
SPS	HUBRCO2 69KV	6	-0.08652	SPS	SAN JUAN 230KV	54	0.01751	-0.10403	16
SPS	HUBRCO2 69KV	6	-0.08652	SPS	TOLK 230KV	1023.062	0.01773	-0.10425	16
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	CUNNINGHAM 115KV	110	0.01669	-0.10605	16
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	CUNNINGHAM 230KV	306	0.01674	-0.1061	16
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	JONES 230KV	486	0.01445	-0.10381	16
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	LP-BRND2 69KV	80	0.01433	-0.10369	16
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	MADOX 115KV	118	0.01668	-0.10604	16
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	MUSTANG 115KV	300	0.01649	-0.10585	16
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	MUSTG5 118.0 230KV	210	0.01661	-0.10597	16
SPS	SIDRCH 69KV	6	-0.08652	SPS	CAPROCK 115KV	36	0.01778	-0.1043	16
SPS	SIDRCH 69KV	6	-0.08652	SPS	CUNNINGHAM 115KV	110	0.01669	-0.10321	16
SPS	SIDRCH 69KV	6	-0.08652	SPS	CUNNINGHAM 230KV	306	0.01674	-0.10326	16
SPS	SIDRCH 69KV	6	-0.08652	SPS	JONES 230KV	486	0.01445	-0.10097	16
SPS	SIDRCH 69KV	6	-0.08652	SPS	LP-BRND2 69KV	80	0.01433	-0.10085	16
SPS	SIDRCH 69KV	6	-0.08652	SPS	MADOX 115KV	118	0.01668	-0.1032	16
SPS	SIDRCH 69KV	6	-0.08652	SPS	MUSTANG 115KV	300	0.01649	-0.10301	16
SPS	SIDRCH 69KV	6	-0.08652	SPS	MUSTG5 118.0 230KV	210	0.01661	-0.10313	16
SPS	SIDRCH 69KV	6	-0.08652	SPS	PLANTX 115KV	205	0.01731	-0.10383	16
SPS	SIDRCH 69KV	6	-0.08652	SPS	PLANTX 230KV	189	0.01826	-0.10478	16
SPS	SIDRCH 69KV	6	-0.08652	SPS	SAN JUAN 230KV	54	0.01751	-0.10403	16
SPS	SIDRCH 69KV	6	-0.08652	SPS	TOLK 230KV	1023.062	0.01773	-0.10425	16
SPS	HUBRCO2 69KV	6	-0.08652	SPS	HARRINGTON 230KV	706	0.01054	-0.09706	17
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	HARRINGTON 230KV	706	0.01054	-0.0999	17
SPS	SIDRCH 69KV	6	-0.08652	SPS	HARRINGTON 230KV	706	0.01054	-0.09706	17
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	NICHOLS 115KV	84.6499	-0.00586	-0.0835	20

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

SPS	RIVERVIEW 69KV	23	-0.08936	SPS	STEER WATER 115KV	36	-0.01706	-0.0723	23
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	CZ 69KV	35	-0.02882	-0.06054	27
WEPL	CIMARRON RIVER 115KV	72	-0.05927	WEPL	A. M. MULLERGREN GENERATOR 115KV	25	-0.0049	-0.05437	30
WEPL	CIMARRON RIVER 115KV	72	-0.05927	WEPL	SPEARVILLE WIND 34KV	100	-0.00729	-0.05198	32
WEPL	CIMARRON RIVER 115KV	72	-0.05927	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.01957	-0.0397	42
WEPL	CIMARRON RIVER 115KV	72	-0.05927	WEPL	JUDSON LARGE 115KV	80.72386	-0.01976	-0.03951	42
SUNC	CITY OF HUGOTON 69KV	17.07	-0.04312	SUNC	HOLCOMB 115KV	264.6508	-0.01033	-0.03279	50
SPS	NICHOLS 115KV	128.3501	-0.00586	SPS	WILWIND 230KV	72	0.02494	-0.0308	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: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FAIN - NICHOLS STATION 115KV CKT 1
Flowgate: 506695066815067850914114O7G
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	0.5	3.0
1090487	2.4	3.0

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	-0.52826	SPS	CAPROCK 115KV	36	0.01778	-0.54604	5
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	CUNNINGHAM 115KV	110	0.01669	-0.54495	5
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	CUNNINGHAM 230KV	306	0.01674	-0.545	5
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	JONES 230KV	486	0.01445	-0.54271	5
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	LP-BRND2 69KV	80	0.01433	-0.54259	5
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	MADOX 115KV	118	0.01668	-0.54494	5
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	MUSTANG 115KV	300	0.01649	-0.54475	5
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	MUSTG5 118.0 230KV	210	0.01661	-0.54487	5
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	PLANTX 115KV	205	0.01731	-0.54557	5
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	PLANTX 230KV	189	0.01826	-0.54652	5
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	SAN JUAN 230KV	54	0.01751	-0.54577	5
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	TOLK 230KV	1023.062	0.01773	-0.54599	5
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	WILWIND 230KV	72	0.02494	-0.5532	5
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	CZ 69KV	35	-0.02882	-0.49944	6
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	HARRINGTON 230KV	706	0.01054	-0.5388	6
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	NICHOLS 115KV	84.6499	-0.00586	-0.5224	6
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	STEER WATER 115KV	36	-0.01706	-0.5112	6
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	BLACKHAWK 115KV	220	-0.08276	-0.4455	7
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	HUBRCO2 69KV	5	-0.08652	-0.44174	7
SPS	MOORE COUNTY 115KV	48	-0.52826	SPS	SIDRCH 69KV	14	-0.08652	-0.44174	7
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	WILWIND 230KV	72	0.02494	-0.1143	26
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	CAPROCK 115KV	36	0.01778	-0.10714	28
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	CUNNINGHAM 115KV	110	0.01669	-0.10605	28
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	CUNNINGHAM 230KV	306	0.01674	-0.1061	28
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	MADOX 115KV	118	0.01668	-0.10604	28
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	MUSTANG 115KV	300	0.01649	-0.10585	28
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	MUSTG5 118.0 230KV	210	0.01661	-0.10597	28
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	PLANTX 115KV	205	0.01731	-0.10667	28
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	PLANTX 230KV	189	0.01826	-0.10762	28
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	SAN JUAN 230KV	54	0.01751	-0.10687	28
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	TOLK 230KV	1023.062	0.01773	-0.10709	28
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	JONES 230KV	486	0.01445	-0.10381	29
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	LP-BRND2 69KV	80	0.01433	-0.10369	29
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	HARRINGTON 230KV	706	0.01054	-0.0999	30
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	NICHOLS 115KV	84.6499	-0.00586	-0.0835	36
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	STEER WATER 115KV	36	-0.01706	-0.0723	41
SPS	RIVERVIEW 69KV	23	-0.08936	SPS	CZ 69KV	35	-0.02882	-0.06054	49
WEPL	CIMARRON RIVER 115KV	72	-0.05927	WEPL	A. M. MULLERGREN GENERATOR 115KV	25	-0.0049	-0.05437	55
WEPL	CIMARRON RIVER 115KV	72	-0.05927	WEPL	SPEARVILLE WIND 34KV	100	-0.00729	-0.05198	57
WEPL	CIMARRON RIVER 115KV	72	-0.05927	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.01957	-0.0397	75
WEPL	CIMARRON RIVER 115KV	72	-0.05927	WEPL	JUDSON LARGE 115KV	80.72386	-0.01976	-0.03951	75
SPS	NICHOLS 115KV	128.3501	-0.00586	SPS	WILWIND 230KV	72	0.02494	-0.0308	96

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

Upgrade: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: HERRNT3 - RB-SNEE3 115KV CKT 1
Flowgate: 506695066815068650690114O7G
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	0.6	5.0
1090487	4.4	5.0

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	-0.57471	SPS	CAPROCK 115KV	36	0.01595	-0.59066	8
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	CUNNINGHAM 115KV	110	0.01504	-0.58975	8
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	CUNNINGHAM 230KV	306	0.01508	-0.58979	8
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	HARRINGTON 230KV	706	0.01179	-0.5865	8
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	JONES 230KV	486	0.01294	-0.58765	8
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	LP-BRND2 69KV	80	0.01284	-0.58755	8
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	MADOX 115KV	118	0.01503	-0.58974	8
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	MUSTANG 115KV	300	0.01485	-0.58956	8
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	MUSTG5 118.0 230KV	210	0.01497	-0.58968	8
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	PLANTX 115KV	205	0.01552	-0.59023	8
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	PLANTX 230KV	189	0.01652	-0.59123	8
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	SAN JUAN 230KV	54	0.01577	-0.59048	8
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	TOLK 230KV	1023.062	0.01601	-0.59072	8
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	WILWIND 230KV	72	0.02282	-0.59753	8
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	BLACKHAWK 115KV	220	-0.02371	-0.551	9

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

SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	CZ 69KV	35	-0.01304	-0.56167	9
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	HUBRCO2 69KV	5	-0.02071	-0.554	9
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	NICHOLS 115KV	84.6499	-0.02085	-0.55386	9
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	SIDRCH 69KV	14	-0.02071	-0.554	9
SPS	MOORE COUNTY 115KV	48	-0.57471	SPS	STEER WATER 115KV	36	-0.01704	-0.55767	9
WEPL	CIMARRON RIVER 115KV	72	-0.05572	WEPL	SPEARVILLE WIND 34KV	100	-0.00674	-0.04898	102
SPS	NICHOLS 115KV	128.3501	-0.02085	SPS	WILWIND 230KV	72	0.02282	-0.04367	114
SPS	NICHOLS 115KV	128.3501	-0.02085	SPS	PLANTX 230KV	189	0.01652	-0.03737	133
WEPL	CIMARRON RIVER 115KV	72	-0.05572	WEPL	JUDSON LARGE 115KV	80.72386	-0.0185	-0.03722	134
SPS	NICHOLS 115KV	128.3501	-0.02085	SPS	TOLK 230KV	1023.062	0.01601	-0.03686	135
SPS	NICHOLS 115KV	128.3501	-0.02085	SPS	SAN JUAN 230KV	54	0.01577	-0.03662	136
SPS	NICHOLS 115KV	128.3501	-0.02085	SPS	PLANTX 115KV	205	0.01552	-0.03637	137
SPS	NICHOLS 115KV	128.3501	-0.02085	SPS	CUNNINGHAM 115KV	110	0.01504	-0.03589	139
SPS	NICHOLS 115KV	128.3501	-0.02085	SPS	CUNNINGHAM 230KV	306	0.01508	-0.03593	139
SPS	NICHOLS 115KV	128.3501	-0.02085	SPS	MADOX 115KV	118	0.01503	-0.03588	139
SPS	NICHOLS 115KV	128.3501	-0.02085	SPS	MUSTG5 118.0 230KV	210	0.01497	-0.03582	139
SPS	NICHOLS 115KV	128.3501	-0.02085	SPS	MUSTANG 115KV	300	0.01485	-0.0357	140
SPS	NICHOLS 115KV	128.3501	-0.02085	SPS	JONES 230KV	486	0.01294	-0.03379	147
SPS	NICHOLS 115KV	128.3501	-0.02085	SPS	LP-BRND2 69KV	80	0.01284	-0.03369	148
SPS	NICHOLS 115KV	128.3501	-0.02085	SPS	HARRINGTON 230KV	706	0.01179	-0.03264	153

Maximum Decrement and Maximum Increment were determine from the 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: AMOCO SWITCHING STATION - SUNDOWN INTERCHANGE 230KV CKT 1
Flowgate: 5196651969151741517331210 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	3.1	3.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	MADOX 115KV	10	-0.06554	SPS	MUSTG5 118.0 230KV	360	0.28716	-0.3527	9
SPS	LP-BRND2 69KV	152	-0.01714	SPS	MUSTG5 118.0 230KV	360	0.28716	-0.3043	10
SPS	CARLSBAD 69KV	18	-0.00248	SPS	MUSTG5 118.0 230KV	360	0.28716	-0.28964	11
SPS	NICHOLS 115KV	66.00001	0.00495	SPS	MUSTG5 118.0 230KV	360	0.28716	-0.28221	11
SPS	NICHOLS 230KV	97	0.00507	SPS	MUSTG5 118.0 230KV	360	0.28716	-0.28209	11
SPS	PLANTX 115KV	36.1543	0.00867	SPS	MUSTG5 118.0 230KV	360	0.28716	-0.27849	11
SPS	RIVERVIEW 69KV	23	0.00499	SPS	MUSTG5 118.0 230KV	360	0.28716	-0.28217	11
SPS	TUCUMCARI 115KV	15	0.01751	SPS	MUSTG5 118.0 230KV	360	0.28716	-0.26965	11
SPS	TOLK 230KV	48.21094	0.02039	SPS	MUSTG5 118.0 230KV	360	0.28716	-0.26677	12
SPS	LP-BRND2 69KV	152	-0.01714	SPS	TOLK 230KV	1031.789	0.02039	-0.03753	83
SPS	LP-BRND2 69KV	152	-0.01714	SPS	CAPROCK 115KV	79.99996	0.01751	-0.03465	89
SPS	LP-BRND2 69KV	152	-0.01714	SPS	CUNNINGHAM 230KV	306	0.01665	-0.03379	92
SPS	LP-BRND2 69KV	152	-0.01714	SPS	SAN JUAN 230KV	119.9999	0.01604	-0.03318	93
SPS	LP-BRND2 69KV	152	-0.01714	SPS	PLANTX 230KV	189	0.01487	-0.03201	97

Maximum Decrement and Maximum Increment were determine from the 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: AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 5196651969151741518911110 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	36.8	36.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	MADOX 115KV	75	-0.06554	SPS	MUSTG5 118.0 230KV	360	0.28716	-0.3527	104
SPS	LP-BRND2 69KV	152	-0.01714	SPS	MUSTG5 118.0 230KV	360	0.28716	-0.3043	121
SPS	NICHOLS 115KV	66.00001	0.00495	SPS	MUSTG5 118.0 230KV	360	0.28716	-0.28221	131
SPS	NICHOLS 230KV	97	0.00507	SPS	MUSTG5 118.0 230KV	360	0.28716	-0.28209	131
SPS	PLANTX 115KV	48	0.00867	SPS	MUSTG5 118.0 230KV	360	0.28716	-0.27849	132

Maximum Decrement and Maximum Increment were determine from the 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: 5196651969151891518901110 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
1090487	2.5	2.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.36646	7
SPS	MADOX 115KV	75	-0.12526	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.36944	7
SPS	CARLSBAD 69KV	18	-0.0394	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.28358	9
SPS	CZ 69KV	4	0.00466	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.23952	10
SPS	HARRINGTON 230KV	360	0.00522	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.23896	10
SPS	HUBRCO2 69KV	6	0.00508	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.2391	10
SPS	LP-BRND2 69KV	152	-0.01335	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.25753	10
SPS	MOORE COUNTY 115KV	48	0.00534	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.23884	10
SPS	NICHOLS 115KV	107	0.00502	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.23916	10
SPS	NICHOLS 230KV	106.8447	0.00516	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.23902	10

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

SPS	RIVERVIEW 69KV	23	0.00508	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.2391	10
SPS	SIDRCH 69KV	6	0.00508	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.2391	10
SPS	PLANTX 115KV	48	0.00747	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.23671	11
SPS	TOLK 230KV	56.04358	0.01777	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.22641	11
SPS	TUCUMCARI 115KV	15	0.01241	SPS	MUSTG5 118.0 230KV	210	0.24418	-0.23177	11
SPS	MADOX 115KV	75	-0.12526	SPS	TOLK 230KV	1023.956	0.01777	-0.14303	17
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	CAPROCK 115KV	79.98182	0.01241	-0.13469	18
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	PLANTX 230KV	189	0.01597	-0.13825	18
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	TOLK 230KV	1023.956	0.01777	-0.14005	18
SPS	MADOX 115KV	75	-0.12526	SPS	CAPROCK 115KV	79.98182	0.01241	-0.13767	18
SPS	MADOX 115KV	75	-0.12526	SPS	PLANTX 230KV	189	0.01597	-0.14123	18
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	PLANTX 115KV	205	0.00747	-0.12975	19
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	WILWIND 230KV	159.9636	0.00728	-0.12956	19
SPS	MADOX 115KV	75	-0.12526	SPS	BLACKHAWK 115KV	220	0.00507	-0.13033	19
SPS	MADOX 115KV	75	-0.12526	SPS	CZ 69KV	35	0.00466	-0.12992	19
SPS	MADOX 115KV	75	-0.12526	SPS	HARRINGTON 230KV	706	0.00522	-0.13048	19
SPS	MADOX 115KV	75	-0.12526	SPS	NICHOLS 115KV	106	0.00502	-0.13028	19
SPS	MADOX 115KV	75	-0.12526	SPS	NICHOLS 230KV	137.1553	0.00516	-0.13042	19
SPS	MADOX 115KV	75	-0.12526	SPS	PLANTX 115KV	205	0.00747	-0.13273	19
SPS	MADOX 115KV	75	-0.12526	SPS	SAN JUAN 230KV	119.9727	0.00289	-0.12815	19
SPS	MADOX 115KV	75	-0.12526	SPS	SIDRCH 69KV	14	0.00508	-0.13034	19
SPS	MADOX 115KV	75	-0.12526	SPS	STEER WATER 115KV	79.98182	0.00484	-0.1301	19
SPS	MADOX 115KV	75	-0.12526	SPS	WILWIND 230KV	159.9636	0.00728	-0.13254	19
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	BLACKHAWK 115KV	220	0.00507	-0.12735	20
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	CZ 69KV	35	0.00466	-0.12694	20
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	HARRINGTON 230KV	706	0.00522	-0.1275	20
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	NICHOLS 115KV	106	0.00502	-0.1273	20
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	NICHOLS 230KV	137.1553	0.00516	-0.12744	20
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	SAN JUAN 230KV	119.9727	0.00289	-0.12517	20
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	SIDRCH 69KV	14	0.00508	-0.12736	20
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	STEER WATER 115KV	79.98182	0.00484	-0.12712	20
SPS	MADOX 115KV	75	-0.12526	SPS	JONES 230KV	486	-0.01215	-0.11311	22
SPS	MADOX 115KV	75	-0.12526	SPS	LP-BRND2 69KV	80	-0.01335	-0.11191	22
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	JONES 230KV	486	-0.01215	-0.11013	23
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	LP-BRND2 69KV	80	-0.01335	-0.10893	23
SPS	MADOX 115KV	75	-0.12526	SPS	CUNNINGHAM 230KV	306	-0.02586	-0.0994	25
SPS	CUNNINGHAM 115KV	71	-0.12228	SPS	CUNNINGHAM 230KV	306	-0.02586	-0.09642	26
SPS	CARLSBAD 69KV	18	-0.0394	SPS	TOLK 230KV	1023.956	0.01777	-0.05717	44
SPS	CARLSBAD 69KV	18	-0.0394	SPS	PLANTX 230KV	189	0.01597	-0.05537	45
SPS	CARLSBAD 69KV	18	-0.0394	SPS	CAPROCK 115KV	79.98182	0.01241	-0.05181	48
SPS	CARLSBAD 69KV	18	-0.0394	SPS	PLANTX 115KV	205	0.00747	-0.04687	53
SPS	CARLSBAD 69KV	18	-0.0394	SPS	WILWIND 230KV	159.9636	0.00728	-0.04668	53
SPS	LP-BRND2 69KV	152	-0.01335	SPS	TOLK 230KV	1023.956	0.01777	-0.03112	80

Maximum Decrement and Maximum Increment were determine from the 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: ARCO TAP - YOAKUM COUNTY INTERCHANGE 115KV CKT 1
Flowgate: 5196651969151931518901140 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	4.0	4.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	MUSTANG 115KV	147.9431	-0.45149	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.65294	6
SPS	MUSTANG 115KV	147.9431	-0.45149	SPS	BLACKHAWK 115KV	220	0.0032	-0.45469	9
SPS	MUSTANG 115KV	147.9431	-0.45149	SPS	CAPROCK 115KV	36	0.0044	-0.45589	9
SPS	MUSTANG 115KV	147.9431	-0.45149	SPS	CZ 69KV	35	0.00294	-0.45443	9
SPS	MUSTANG 115KV	147.9431	-0.45149	SPS	HARRINGTON 230KV	706	0.0033	-0.45479	9
SPS	MUSTANG 115KV	147.9431	-0.45149	SPS	HUBRCO2 69KV	5	0.0032	-0.45469	9
SPS	MUSTANG 115KV	147.9431	-0.45149	SPS	JONES 230KV	104	-0.00712	-0.44437	9
SPS	MUSTANG 115KV	147.9431	-0.45149	SPS	LP-BRND2 69KV	60	-0.00794	-0.44355	9
SPS	MUSTANG 115KV	147.9431	-0.45149	SPS	SAN JUAN 230KV	54	-0.00927	-0.44222	9
SPS	MUSTANG 115KV	147.9431	-0.45149	SPS	SIDRCH 69KV	14	0.0032	-0.45469	9
SPS	MUSTANG 115KV	147.9431	-0.45149	SPS	STEER WATER 115KV	36	0.00305	-0.45454	9
SPS	MUSTANG 115KV	147.9431	-0.45149	SPS	TOLK 230KV	1011.046	0.01051	-0.462	9
SPS	MUSTANG 115KV	147.9431	-0.45149	SPS	WILWIND 230KV	72	0.00457	-0.45606	9
SPS	MUSTANG 115KV	147.9431	-0.45149	SPS	CUNNINGHAM 230KV	56	-0.05385	-0.39764	10
SPS	CUNNINGHAM 115KV	71	-0.14632	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.34777	12
SPS	CUNNINGHAM 115KV	110	-0.14632	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.34777	12
SPS	MADOX 115KV	193	-0.14935	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.3508	12
SPS	CARLSBAD 69KV	18	-0.06136	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.26281	15
SPS	CUNNINGHAM 230KV	250	-0.05385	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.2553	16
SPS	JONES 230KV	382	-0.00712	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.20857	19
SPS	LP-BRND2 69KV	172	-0.00794	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.20939	19
SPS	HARRINGTON 230KV	360	0.0033	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.19815	20
SPS	MOORE COUNTY 115KV	48	0.00336	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.19809	20
SPS	NICHOLS 115KV	213	0.00316	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.19829	20
SPS	NICHOLS 230KV	244	0.00326	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.19819	20
SPS	RIVERVIEW 69KV	23	0.0032	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.19825	20
SPS	PLANTX 115KV	253	0.00556	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.19589	21
SPS	PLANTX 230KV	189	0.01022	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.19123	21
SPS	TOLK 230KV	68.95364	0.01051	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.19094	21
SPS	TUCUMCARI 115KV	15	0.0044	SPS	MUSTG5 118.0 230KV	125	0.20145	-0.19705	21
SPS	MADOX 115KV	193	-0.14935	SPS	TOLK 230KV	1011.046	0.01051	-0.15986	25
SPS	CUNNINGHAM 115KV	71	-0.14632	SPS	TOLK 230KV	1011.046	0.01051	-0.15683	26
SPS	CUNNINGHAM 115KV	110	-0.14632	SPS	TOLK 230KV	1011.046	0.01051	-0.15683	26
SPS	MADOX 115KV	193	-0.14935	SPS	BLACKHAWK 115KV	220	0.0032	-0.15255	26
SPS	MADOX 115KV	193	-0.14935	SPS	CAPROCK 115KV	36	0.0044	-0.15375	26
SPS	MADOX 115KV	193	-0.14935	SPS	HARRINGTON 230KV	706	0.0033	-0.15265	26
SPS	MADOX 115KV	193	-0.14935	SPS	SIDRCH 69KV	14	0.0032	-0.15255	26
SPS	MADOX 115KV	193	-0.14935	SPS	WILWIND 230KV	72	0.00457	-0.15392	26
SPS	CUNNINGHAM 115KV	71	-0.14632	SPS	BLACKHAWK 115KV	220	0.0032	-0.14952	27
SPS	CUNNINGHAM 115KV	110	-0.14632	SPS	BLACKHAWK 115KV	220	0.0032	-0.14952	27
SPS	CUNNINGHAM 115KV	71	-0.14632	SPS	CAPROCK 115KV	36	0.0044	-0.15072	27
SPS	CUNNINGHAM 115KV	110	-0.14632	SPS	CAPROCK 115KV	36	0.0044	-0.15072	27

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

SPS	CUNNINGHAM 115KV	71	-0.14632	SPS	CZ 69KV	35	0.00294	-0.14926	27
SPS	CUNNINGHAM 115KV	110	-0.14632	SPS	CZ 69KV	35	0.00294	-0.14926	27
SPS	CUNNINGHAM 115KV	71	-0.14632	SPS	HARRINGTON 230KV	706	0.0033	-0.14962	27
SPS	CUNNINGHAM 115KV	110	-0.14632	SPS	HARRINGTON 230KV	706	0.0033	-0.14962	27
SPS	CUNNINGHAM 115KV	71	-0.14632	SPS	SIDRCH 69KV	14	0.0032	-0.14952	27
SPS	CUNNINGHAM 115KV	110	-0.14632	SPS	SIDRCH 69KV	14	0.0032	-0.14952	27
SPS	CUNNINGHAM 115KV	71	-0.14632	SPS	STEER WATER 115KV	36	0.00305	-0.14937	27
SPS	CUNNINGHAM 115KV	110	-0.14632	SPS	STEER WATER 115KV	36	0.00305	-0.14937	27
SPS	CUNNINGHAM 115KV	71	-0.14632	SPS	WILWIND 230KV	72	0.00457	-0.15089	27
SPS	CUNNINGHAM 115KV	110	-0.14632	SPS	WILWIND 230KV	72	0.00457	-0.15089	27
SPS	MADOX 115KV	193	-0.14935	SPS	CZ 69KV	35	0.00294	-0.15229	27
SPS	MADOX 115KV	193	-0.14935	SPS	STEER WATER 115KV	36	0.00305	-0.1524	27
SPS	MADOX 115KV	193	-0.14935	SPS	JONES 230KV	104	-0.00712	-0.14223	28
SPS	CUNNINGHAM 115KV	71	-0.14632	SPS	JONES 230KV	104	-0.00712	-0.1392	29
SPS	CUNNINGHAM 115KV	110	-0.14632	SPS	JONES 230KV	104	-0.00712	-0.1392	29
SPS	CUNNINGHAM 115KV	71	-0.14632	SPS	LP-BRND2 69KV	60	-0.00794	-0.13838	29
SPS	CUNNINGHAM 115KV	110	-0.14632	SPS	LP-BRND2 69KV	60	-0.00794	-0.13838	29
SPS	CUNNINGHAM 115KV	71	-0.14632	SPS	SAN JUAN 230KV	54	-0.00927	-0.13705	29
SPS	CUNNINGHAM 115KV	110	-0.14632	SPS	SAN JUAN 230KV	54	-0.00927	-0.13705	29
SPS	MADOX 115KV	193	-0.14935	SPS	LP-BRND2 69KV	60	-0.00794	-0.14141	29
SPS	MADOX 115KV	193	-0.14935	SPS	SAN JUAN 230KV	54	-0.00927	-0.14008	29
SPS	MADOX 115KV	193	-0.14935	SPS	CUNNINGHAM 230KV	56	-0.05385	-0.0955	42
SPS	CUNNINGHAM 115KV	71	-0.14632	SPS	CUNNINGHAM 230KV	56	-0.05385	-0.09247	44
SPS	CUNNINGHAM 115KV	110	-0.14632	SPS	CUNNINGHAM 230KV	56	-0.05385	-0.09247	44
SPS	CUNNINGHAM 230KV	250	-0.05385	SPS	TOLK 230KV	1011.046	0.01051	-0.06436	63
SPS	CUNNINGHAM 230KV	250	-0.05385	SPS	CAPROCK 115KV	36	0.0044	-0.05825	69
SPS	CUNNINGHAM 230KV	250	-0.05385	SPS	WILWIND 230KV	72	0.00457	-0.05842	69
SPS	CUNNINGHAM 230KV	250	-0.05385	SPS	BLACKHAWK 115KV	220	0.0032	-0.05705	71
SPS	CUNNINGHAM 230KV	250	-0.05385	SPS	CZ 69KV	35	0.00294	-0.05679	71
SPS	CUNNINGHAM 230KV	250	-0.05385	SPS	HARRINGTON 230KV	706	0.0033	-0.05715	71
SPS	CUNNINGHAM 230KV	250	-0.05385	SPS	STEER WATER 115KV	36	0.00305	-0.0569	71
SPS	CUNNINGHAM 230KV	250	-0.05385	SPS	JONES 230KV	104	-0.00712	-0.04673	86
SPS	CUNNINGHAM 230KV	250	-0.05385	SPS	LP-BRND2 69KV	60	-0.00794	-0.04591	88
SPS	CUNNINGHAM 230KV	250	-0.05385	SPS	SAN JUAN 230KV	54	-0.00927	-0.04458	91

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

Upgrade: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: AMERADA3 - GAINES INTERCHANGE 115KV CKT 1
Flowgate: 5196651969151996520301110 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	3.3	3.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	MUSTG5 118.0 230KV	360	0.20541	-0.29005	11
SPS	MADOX 115KV	75	-0.08378	SPS	MUSTG5 118.0 230KV	360	0.20541	-0.28919	11
SPS	CARLSBAD 69KV	18	-0.02748	SPS	MUSTG5 118.0 230KV	360	0.20541	-0.23289	14
SPS	LP-BRND2 69KV	152	-0.00964	SPS	MUSTG5 118.0 230KV	360	0.20541	-0.21505	15
SPS	NICHOLS 115KV	66.00001	0.00364	SPS	MUSTG5 118.0 230KV	360	0.20541	-0.20177	16
SPS	NICHOLS 230KV	97	0.00374	SPS	MUSTG5 118.0 230KV	360	0.20541	-0.20167	16
SPS	PLANTX 115KV	48	0.00583	SPS	MUSTG5 118.0 230KV	360	0.20541	-0.19958	16
SPS	RIVERVIEW 69KV	23	0.00368	SPS	MUSTG5 118.0 230KV	360	0.20541	-0.20173	16
SPS	TOLK 230KV	44.85049	0.01269	SPS	MUSTG5 118.0 230KV	360	0.20541	-0.19272	17
SPS	TUCUMCARI 115KV	15	0.00892	SPS	MUSTG5 118.0 230KV	360	0.20541	-0.19649	17
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	PLANTX 230KV	189	0.01153	-0.09617	34
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	TOLK 230KV	1035.15	0.01269	-0.09733	34
SPS	MADOX 115KV	75	-0.08378	SPS	PLANTX 230KV	189	0.01153	-0.09531	34
SPS	MADOX 115KV	75	-0.08378	SPS	TOLK 230KV	1035.15	0.01269	-0.09647	34
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	CAPROCK 115KV	79.99996	0.00892	-0.09356	35
SPS	MADOX 115KV	75	-0.08378	SPS	CAPROCK 115KV	79.99996	0.00892	-0.0927	35
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	PLANTX 115KV	205	0.00583	-0.09047	36
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	WILWIND 230KV	159.9999	0.00528	-0.08992	36
SPS	MADOX 115KV	75	-0.08378	SPS	PLANTX 115KV	205	0.00583	-0.08961	36
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	BLACKHAWK 115KV	220	0.00368	-0.08832	37
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	CZ 69KV	39	0.00338	-0.08802	37
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	HARRINGTON 230KV	1066	0.00379	-0.08843	37
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	MOORE COUNTY 115KV	48	0.00387	-0.08851	37
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	NICHOLS 115KV	147	0.00364	-0.08828	37
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	NICHOLS 230KV	147	0.00374	-0.08838	37
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	SIDRCH 69KV	20	0.00368	-0.08832	37
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	STEER WATER 115KV	79.99996	0.00351	-0.08815	37
SPS	MADOX 115KV	75	-0.08378	SPS	BLACKHAWK 115KV	220	0.00368	-0.08746	37
SPS	MADOX 115KV	75	-0.08378	SPS	CZ 69KV	39	0.00338	-0.08716	37
SPS	MADOX 115KV	75	-0.08378	SPS	HARRINGTON 230KV	1066	0.00379	-0.08757	37
SPS	MADOX 115KV	75	-0.08378	SPS	MOORE COUNTY 115KV	48	0.00387	-0.08765	37
SPS	MADOX 115KV	75	-0.08378	SPS	NICHOLS 115KV	147	0.00364	-0.08742	37
SPS	MADOX 115KV	75	-0.08378	SPS	NICHOLS 230KV	147	0.00374	-0.08752	37
SPS	MADOX 115KV	75	-0.08378	SPS	SIDRCH 69KV	20	0.00368	-0.08746	37
SPS	MADOX 115KV	75	-0.08378	SPS	STEER WATER 115KV	79.99996	0.00351	-0.08729	37
SPS	MADOX 115KV	75	-0.08378	SPS	WILWIND 230KV	159.9999	0.00528	-0.08906	37
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	SAN JUAN 230KV	119.9999	0.00216	-0.0868	38
SPS	MADOX 115KV	75	-0.08378	SPS	SAN JUAN 230KV	119.9999	0.00216	-0.08594	38
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	JONES 230KV	486	-0.00875	-0.07589	43
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	LP-BRND2 69KV	80	-0.00964	-0.075	43
SPS	MADOX 115KV	75	-0.08378	SPS	JONES 230KV	486	-0.00875	-0.07503	43
SPS	MADOX 115KV	75	-0.08378	SPS	LP-BRND2 69KV	80	-0.00964	-0.07414	44
SPS	CUNNINGHAM 115KV	21.23242	-0.08464	SPS	CUNNINGHAM 230KV	306	-0.01849	-0.06615	49
SPS	MADOX 115KV	75	-0.08378	SPS	CUNNINGHAM 230KV	306	-0.01849	-0.06529	50

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

Upgrade: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230/115KV TRANSFORMER CKT 1

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

Direction: From->To
Line Outage: EDDY COUNTY INTERCHANGE - TOLK INTERCHANGE 345KV CKT 1
Flowgate: 5196651969152186514401 1407AP
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount
1090487	4.6	4.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.60986	8
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	BLACKHAWK 115KV	220	0.00373	-0.40826	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	CAPROCK 115KV	36	0.00517	-0.4097	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	CZ 69KV	35	0.00342	-0.40795	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	HARRINGTON 230KV	706	0.00384	-0.40837	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	HUBRCO2 69KV	5	0.00373	-0.40826	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	SIDRCH 69KV	14	0.00373	-0.40826	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	STEER WATER 115KV	36	0.00356	-0.40809	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	TOLK 230KV	1011.046	0.01325	-0.41778	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	WILWIND 230KV	72	0.00532	-0.40985	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	JONES 230KV	104	-0.00941	-0.39512	12
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	LP-BRND2 69KV	60	-0.01013	-0.3944	12
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	SAN JUAN 230KV	54	-0.01275	-0.39178	12
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	CUNNINGHAM 230KV	56	-0.04897	-0.35556	13
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.33315	14
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.33315	14
SPS	MADOX 115KV	193	-0.13019	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.33552	14
SPS	CARLSBAD 69KV	18	-0.06241	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.26774	17
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.2543	18
SPS	JONES 230KV	382	-0.00941	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.21474	21
SPS	LP-BRND2 69KV	172	-0.01013	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.21546	21
SPS	HARRINGTON 230KV	360	0.00384	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.20149	23
SPS	MOORE COUNTY 115KV	48	0.00392	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.20141	23
SPS	NICHOLS 115KV	213	0.00369	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.20164	23
SPS	NICHOLS 230KV	244	0.0038	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.20153	23
SPS	PLANTX 115KV	253	0.0062	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.19913	23
SPS	RIVERVIEW 69KV	23	0.00373	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.2016	23
SPS	TUCUMCARI 115KV	15	0.00517	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.20016	23
SPS	PLANTX 230KV	189	0.01196	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.19337	24
SPS	TOLK 230KV	68.95364	0.01325	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.19208	24
SPS	MADOX 115KV	193	-0.13019	SPS	TOLK 230KV	1011.046	0.01325	-0.14344	32
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	TOLK 230KV	1011.046	0.01325	-0.14107	33
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	TOLK 230KV	1011.046	0.01325	-0.14107	33
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	WILWIND 230KV	72	0.00532	-0.13314	34
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	WILWIND 230KV	72	0.00532	-0.13314	34
SPS	MADOX 115KV	193	-0.13019	SPS	BLACKHAWK 115KV	220	0.00373	-0.13392	34
SPS	MADOX 115KV	193	-0.13019	SPS	CAPROCK 115KV	36	0.00517	-0.13536	34
SPS	MADOX 115KV	193	-0.13019	SPS	CZ 69KV	35	0.00342	-0.13361	34
SPS	MADOX 115KV	193	-0.13019	SPS	HARRINGTON 230KV	706	0.00384	-0.13403	34
SPS	MADOX 115KV	193	-0.13019	SPS	SIDRCH 69KV	14	0.00373	-0.13392	34
SPS	MADOX 115KV	193	-0.13019	SPS	STEER WATER 115KV	36	0.00356	-0.13375	34
SPS	MADOX 115KV	193	-0.13019	SPS	WILWIND 230KV	72	0.00532	-0.13551	34
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	BLACKHAWK 115KV	220	0.00373	-0.13155	35
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	BLACKHAWK 115KV	220	0.00373	-0.13155	35
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	CAPROCK 115KV	36	0.00517	-0.13299	35
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	CAPROCK 115KV	36	0.00517	-0.13299	35
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	CZ 69KV	35	0.00342	-0.13124	35
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	CZ 69KV	35	0.00342	-0.13124	35
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	HARRINGTON 230KV	706	0.00384	-0.13166	35
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	HARRINGTON 230KV	706	0.00384	-0.13166	35
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	SIDRCH 69KV	14	0.00373	-0.13155	35
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	SIDRCH 69KV	14	0.00373	-0.13155	35
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	STEER WATER 115KV	36	0.00356	-0.13138	35
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	STEER WATER 115KV	36	0.00356	-0.13138	35
SPS	MADOX 115KV	193	-0.13019	SPS	JONES 230KV	104	-0.00941	-0.12078	38
SPS	MADOX 115KV	193	-0.13019	SPS	LP-BRND2 69KV	60	-0.01013	-0.12006	38
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	JONES 230KV	104	-0.00941	-0.11841	39
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	JONES 230KV	104	-0.00941	-0.11841	39
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	LP-BRND2 69KV	60	-0.01013	-0.11769	39
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	LP-BRND2 69KV	60	-0.01013	-0.11769	39
SPS	MADOX 115KV	193	-0.13019	SPS	SAN JUAN 230KV	54	-0.01275	-0.11744	39
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	SAN JUAN 230KV	54	-0.01275	-0.11507	40
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	SAN JUAN 230KV	54	-0.01275	-0.11507	40
SPS	MADOX 115KV	193	-0.13019	SPS	CUNNINGHAM 230KV	56	-0.04897	-0.08122	57
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	CUNNINGHAM 230KV	56	-0.04897	-0.07885	58
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	CUNNINGHAM 230KV	56	-0.04897	-0.07885	58
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	TOLK 230KV	1011.046	0.01325	-0.06222	74
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	CAPROCK 115KV	36	0.00517	-0.05414	85
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	WILWIND 230KV	72	0.00532	-0.05429	85
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	BLACKHAWK 115KV	220	0.00373	-0.0527	87
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	HARRINGTON 230KV	706	0.00384	-0.05281	87
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	STEER WATER 115KV	36	0.00356	-0.05253	87
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	CZ 69KV	35	0.00342	-0.05239	88
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	JONES 230KV	104	-0.00941	-0.03956	116
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	LP-BRND2 69KV	60	-0.01013	-0.03884	118
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	SAN JUAN 230KV	54	-0.01275	-0.03622	127

Maximum Decrement and Maximum Increment were determine from the 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: 5196651969152205518911 1407FA
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	42.2

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)
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.46734	90
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.46734	90
SPS	MADOX 115KV	89.26879	-0.21303	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.46996	90
SPS	CUNNINGHAM 230KV	306	-0.16708	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.42401	99
SPS	LP-BRND2 69KV	172	-0.00597	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.2629	160
SPS	NICHOLS 115KV	213	0.00259	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.25434	166
SPS	NICHOLS 230KV	244	0.00269	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.25424	166
SPS	PLANTX 115KV	253	0.0047	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.25223	167
SPS	PLANTX 230KV	151.2	0.0094	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.24753	170
SPS	TOLK 230KV	57.13647	0.00812	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.24881	170
SPS	MADOX 115KV	89.26879	-0.21303	SPS	TOLK 230KV	1022.864	0.00812	-0.22115	191
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	TOLK 230KV	1022.864	0.00812	-0.21853	193
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	TOLK 230KV	1022.864	0.00812	-0.21853	193
SPS	MADOX 115KV	89.26879	-0.21303	SPS	HARRINGTON 230KV	1066	0.00272	-0.21575	195
SPS	MADOX 115KV	89.26879	-0.21303	SPS	BLACKHAWK 115KV	220	0.00263	-0.21566	196
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	BLACKHAWK 115KV	220	0.00263	-0.21304	198
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	BLACKHAWK 115KV	220	0.00263	-0.21304	198
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	HARRINGTON 230KV	1066	0.00272	-0.21313	198
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	HARRINGTON 230KV	1066	0.00272	-0.21313	198
SPS	MADOX 115KV	89.26879	-0.21303	SPS	JONES 230KV	486	-0.00537	-0.20766	203
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	JONES 230KV	486	-0.00537	-0.20504	206
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	JONES 230KV	486	-0.00537	-0.20504	206
SPS	CUNNINGHAM 230KV	306	-0.16708	SPS	TOLK 230KV	1022.864	0.00812	-0.1752	241
SPS	CUNNINGHAM 230KV	306	-0.16708	SPS	HARRINGTON 230KV	1066	0.00272	-0.1698	248
SPS	CUNNINGHAM 230KV	306	-0.16708	SPS	BLACKHAWK 115KV	220	0.00263	-0.16971	249
SPS	CUNNINGHAM 230KV	306	-0.16708	SPS	JONES 230KV	486	-0.00537	-0.16171	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

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: 5196651969152205518911407SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090487	13.5	13.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	CUNNINGHAM 115KV	71	-0.21044	SPS	MUSTG5 118.0 230KV	210	0.2569	-0.46734	29
SPS	CUNNINGHAM 115KV	110	-0.21044	SPS	MUSTG5 118.0 230KV	210	0.2569	-0.46734	29
SPS	MADOX 115KV	75	-0.21306	SPS	MUSTG5 118.0 230KV	210	0.2569	-0.46996	29
SPS	CUNNINGHAM 230KV	19.1792	-0.1671	SPS	MUSTG5 118.0 230KV	210	0.2569	-0.424	32
SPS	CARLSBAD 69KV	18	-0.1355	SPS	MUSTG5 118.0 230KV	210	0.2569	-0.3924	34
SPS	LP-BRND2 69KV	152	-0.00614	SPS	MUSTG5 118.0 230KV	210	0.2569	-0.26304	51
SPS	MOORE COUNTY 115KV	48	0.00285	SPS	MUSTG5 118.0 230KV	210	0.2569	-0.25405	53
SPS	NICHOLS 115KV	131	0.00266	SPS	MUSTG5 118.0 230KV	210	0.2569	-0.25424	53
SPS	NICHOLS 230KV	244	0.00276	SPS	MUSTG5 118.0 230KV	210	0.2569	-0.25414	53
SPS	RIVERVIEW 69KV	23	0.00271	SPS	MUSTG5 118.0 230KV	210	0.2569	-0.25419	53
SPS	PLANTX 115KV	48	0.00491	SPS	MUSTG5 118.0 230KV	210	0.2569	-0.25199	54
SPS	TOLK 230KV	52.68716	0.00816	SPS	MUSTG5 118.0 230KV	210	0.2569	-0.24874	54
SPS	CUNNINGHAM 115KV	71	-0.21044	SPS	PLANTX 230KV	189	0.00946	-0.2199	61
SPS	CUNNINGHAM 115KV	110	-0.21044	SPS	PLANTX 230KV	189	0.00946	-0.2199	61
SPS	MADOX 115KV	75	-0.21306	SPS	PLANTX 230KV	189	0.00946	-0.22252	61
SPS	MADOX 115KV	75	-0.21306	SPS	TOLK 230KV	1027.313	0.00816	-0.22122	61
SPS	CUNNINGHAM 115KV	71	-0.21044	SPS	TOLK 230KV	1027.313	0.00816	-0.2186	62
SPS	CUNNINGHAM 115KV	110	-0.21044	SPS	TOLK 230KV	1027.313	0.00816	-0.2186	62
SPS	MADOX 115KV	75	-0.21306	SPS	PLANTX 115KV	205	0.00491	-0.21797	62
SPS	CUNNINGHAM 115KV	71	-0.21044	SPS	BLACKHAWK 115KV	220	0.0027	-0.21314	63
SPS	CUNNINGHAM 115KV	110	-0.21044	SPS	BLACKHAWK 115KV	220	0.0027	-0.21314	63
SPS	CUNNINGHAM 115KV	71	-0.21044	SPS	CZ 69KV	35	0.00248	-0.21292	63
SPS	CUNNINGHAM 115KV	110	-0.21044	SPS	CZ 69KV	35	0.00248	-0.21292	63
SPS	CUNNINGHAM 115KV	71	-0.21044	SPS	HARRINGTON 230KV	1066	0.00279	-0.21323	63
SPS	CUNNINGHAM 115KV	110	-0.21044	SPS	HARRINGTON 230KV	1066	0.00279	-0.21323	63
SPS	CUNNINGHAM 115KV	71	-0.21044	SPS	NICHOLS 115KV	82	0.00266	-0.2131	63
SPS	CUNNINGHAM 115KV	110	-0.21044	SPS	NICHOLS 115KV	82	0.00266	-0.2131	63
SPS	CUNNINGHAM 115KV	71	-0.21044	SPS	PLANTX 115KV	205	0.00491	-0.21535	63
SPS	CUNNINGHAM 115KV	110	-0.21044	SPS	PLANTX 115KV	205	0.00491	-0.21535	63
SPS	MADOX 115KV	75	-0.21306	SPS	BLACKHAWK 115KV	220	0.0027	-0.21576	63
SPS	MADOX 115KV	75	-0.21306	SPS	CZ 69KV	35	0.00248	-0.21554	63
SPS	MADOX 115KV	75	-0.21306	SPS	HARRINGTON 230KV	1066	0.00279	-0.21585	63
SPS	MADOX 115KV	75	-0.21306	SPS	NICHOLS 115KV	82	0.00266	-0.21572	63
SPS	MADOX 115KV	75	-0.21306	SPS	JONES 230KV	486	-0.00554	-0.20752	65
SPS	MADOX 115KV	75	-0.21306	SPS	LP-BRND2 69KV	80	-0.00614	-0.20692	65
SPS	CUNNINGHAM 115KV	71	-0.21044	SPS	JONES 230KV	486	-0.00554	-0.2049	66
SPS	CUNNINGHAM 115KV	110	-0.21044	SPS	JONES 230KV	486	-0.00554	-0.2049	66
SPS	CUNNINGHAM 115KV	71	-0.21044	SPS	LP-BRND2 69KV	80	-0.00614	-0.2043	66
SPS	CUNNINGHAM 115KV	110	-0.21044	SPS	LP-BRND2 69KV	80	-0.00614	-0.2043	66
SPS	CUNNINGHAM 115KV	110	-0.21044	SPS	CUNNINGHAM 230KV	286.8208	-0.1671	-0.04334	312

Maximum Decrement and Maximum Increment were determine from the 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: 5196651969152205518911407WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	15.8	15.8

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)
SPS	MUSTANG 115KV	29	-0.38907	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.646	24
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.46734	34
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.46734	34
SPS	MADOX 115KV	75	-0.21303	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.46996	34
SPS	CUNNINGHAM 230KV	110	-0.16708	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.42401	37
SPS	CARLSBAD 69KV	18	-0.13549	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.39242	40
SPS	MUSTANG 115KV	29	-0.38907	SPS	BLACKHAWK 115KV	220	0.00263	-0.3917	40
SPS	MUSTANG 115KV	29	-0.38907	SPS	CZ 69KV	35	0.00241	-0.39148	40
SPS	MUSTANG 115KV	29	-0.38907	SPS	HARRINGTON 230KV	1066	0.00272	-0.39179	40
SPS	MUSTANG 115KV	29	-0.38907	SPS	PLANTX 230KV	49.83569	0.00941	-0.39848	40
SPS	MUSTANG 115KV	29	-0.38907	SPS	SIDRCH 69KV	14	0.00264	-0.39171	40
SPS	MUSTANG 115KV	29	-0.38907	SPS	STEER WATER 115KV	24	0.0025	-0.39157	40
SPS	MUSTANG 115KV	29	-0.38907	SPS	TOLK 230KV	1024.112	0.00812	-0.39719	40
SPS	MUSTANG 115KV	29	-0.38907	SPS	WILWIND 230KV	48	0.00376	-0.39283	40
SPS	MUSTANG 115KV	29	-0.38907	SPS	CAPROCK 115KV	24	-0.00496	-0.38411	41
SPS	MUSTANG 115KV	29	-0.38907	SPS	JONES 230KV	243	-0.00537	-0.3837	41
SPS	MUSTANG 115KV	29	-0.38907	SPS	LP-BRND2 69KV	60	-0.00597	-0.3831	41
SPS	MUSTANG 115KV	29	-0.38907	SPS	SAN JUAN 230KV	36	-0.03785	-0.35122	45
SPS	JONES 230KV	243	-0.00537	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.2623	60
SPS	LP-BRND2 69KV	172	-0.00597	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.2629	60
SPS	MOORE COUNTY 115KV	48	0.00279	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.25414	62
SPS	NICHOLS 115KV	213	0.00259	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.25434	62
SPS	NICHOLS 230KV	244	0.00269	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.25424	62
SPS	RIVERVIEW 69KV	23	0.00264	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.25429	62
SPS	PLANTX 115KV	253	0.0047	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.25223	63
SPS	TOLK 230KV	55.88849	0.00812	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.24881	63
SPS	PLANTX 230KV	139.1643	0.00941	SPS	MUSTG5 118.0 230KV	210	0.25693	-0.24752	64
SPS	MADOX 115KV	75	-0.21303	SPS	PLANTX 230KV	49.83569	0.00941	-0.22244	71
SPS	MADOX 115KV	75	-0.21303	SPS	TOLK 230KV	1024.112	0.00812	-0.22115	71
SPS	MUSTANG 115KV	29	-0.38907	SPS	CUNNINGHAM 230KV	196	-0.16708	-0.22199	71
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	PLANTX 230KV	49.83569	0.00941	-0.21982	72
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	PLANTX 230KV	49.83569	0.00941	-0.21982	72
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	TOLK 230KV	1024.112	0.00812	-0.21853	72
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	TOLK 230KV	1024.112	0.00812	-0.21853	72
SPS	MADOX 115KV	75	-0.21303	SPS	BLACKHAWK 115KV	220	0.00263	-0.21566	73
SPS	MADOX 115KV	75	-0.21303	SPS	CZ 69KV	35	0.00241	-0.21544	73
SPS	MADOX 115KV	75	-0.21303	SPS	HARRINGTON 230KV	1066	0.00272	-0.21575	73
SPS	MADOX 115KV	75	-0.21303	SPS	WILWIND 230KV	48	0.00376	-0.21679	73
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	BLACKHAWK 115KV	220	0.00263	-0.21304	74
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	BLACKHAWK 115KV	220	0.00263	-0.21304	74
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	CZ 69KV	35	0.00241	-0.21282	74
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	CZ 69KV	35	0.00241	-0.21282	74
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	HARRINGTON 230KV	1066	0.00272	-0.21313	74
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	HARRINGTON 230KV	1066	0.00272	-0.21313	74
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	WILWIND 230KV	48	0.00376	-0.21417	74
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	WILWIND 230KV	48	0.00376	-0.21417	74
SPS	MADOX 115KV	75	-0.21303	SPS	JONES 230KV	243	-0.00537	-0.20766	76
SPS	MADOX 115KV	75	-0.21303	SPS	LP-BRND2 69KV	60	-0.00597	-0.20706	76
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	JONES 230KV	243	-0.00537	-0.20504	77
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	JONES 230KV	243	-0.00537	-0.20504	77
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	LP-BRND2 69KV	60	-0.00597	-0.20444	77
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	LP-BRND2 69KV	60	-0.00597	-0.20444	77
SPS	CUNNINGHAM 230KV	110	-0.16708	SPS	PLANTX 230KV	49.83569	0.00941	-0.17649	89
SPS	CUNNINGHAM 230KV	110	-0.16708	SPS	TOLK 230KV	1024.112	0.00812	-0.1752	90
SPS	MADOX 115KV	75	-0.21303	SPS	SAN JUAN 230KV	36	-0.03785	-0.17518	90
SPS	CUNNINGHAM 115KV	71	-0.21041	SPS	SAN JUAN 230KV	36	-0.03785	-0.17256	91
SPS	CUNNINGHAM 115KV	110	-0.21041	SPS	SAN JUAN 230KV	36	-0.03785	-0.17256	91
SPS	CUNNINGHAM 230KV	110	-0.16708	SPS	WILWIND 230KV	48	0.00376	-0.17084	92
SPS	CUNNINGHAM 230KV	110	-0.16708	SPS	BLACKHAWK 115KV	220	0.00263	-0.16971	93
SPS	CUNNINGHAM 230KV	110	-0.16708	SPS	CZ 69KV	35	0.00241	-0.16949	93
SPS	CUNNINGHAM 230KV	110	-0.16708	SPS	HARRINGTON 230KV	1066	0.00272	-0.1698	93
SPS	CUNNINGHAM 230KV	110	-0.16708	SPS	JONES 230KV	243	-0.00537	-0.16171	98
SPS	CUNNINGHAM 230KV	110	-0.16708	SPS	LP-BRND2 69KV	60	-0.00597	-0.16111	98

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

Upgrade: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: EDDY COUNTY INTERCHANGE (EDDY XX) 345/230/13.2KV TRANSFORMER CKT 1
Flowgate: 51966519691EDDYDDY XX7611407AP
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	4.4	4.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.60986	7
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	TOLK 230KV	1011.046	0.01325	-0.41778	10
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	BLACKHAWK 115KV	220	0.00373	-0.40826	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	CAPROCK 115KV	36	0.00517	-0.4097	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	CZ 69KV	35	0.00342	-0.40795	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	HARRINGTON 230KV	706	0.00384	-0.40837	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	HUBRCO2 69KV	5	0.00373	-0.40826	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	JONES 230KV	104	-0.00941	-0.39512	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	LP-BRND2 69KV	60	-0.01013	-0.3944	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	SAN JUAN 230KV	54	-0.01275	-0.39178	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	SIDRCH 69KV	14	0.00373	-0.40826	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	STEER WATER 115KV	36	0.00356	-0.40809	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	WILWIND 230KV	72	0.00532	-0.40985	11
SPS	MUSTANG 115KV	147.9431	-0.40453	SPS	CUNNINGHAM 230KV	56	-0.04897	-0.35556	12
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.33315	13
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.33315	13
SPS	MADOX 115KV	193	-0.13019	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.33552	13
SPS	CARLSBAD 69KV	18	-0.06241	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.26774	16
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.2543	17

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

SPS	JONES 230KV	382	-0.00941	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.21474	20
SPS	LP-BRND2 69KV	172	-0.01013	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.21546	20
SPS	HARRINGTON 230KV	360	0.00384	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.20149	22
SPS	MOORE COUNTY 115KV	48	0.00392	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.20141	22
SPS	NICHOLS 115KV	213	0.00369	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.20164	22
SPS	NICHOLS 230KV	244	0.0038	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.20153	22
SPS	PLANTX 115KV	253	0.0062	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.19913	22
SPS	RIVERVIEW 69KV	23	0.00373	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.2016	22
SPS	TUCUMCARI 115KV	15	0.00517	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.20016	22
SPS	PLANTX 230KV	189	0.01196	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.19337	23
SPS	TOLK 230KV	68.95364	0.01325	SPS	MUSTG5 118.0 230KV	125	0.20533	-0.19208	23
SPS	MADOX 115KV	193	-0.13019	SPS	TOLK 230KV	1011.046	0.01325	-0.14344	30
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	TOLK 230KV	1011.046	0.01325	-0.14107	31
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	TOLK 230KV	1011.046	0.01325	-0.14107	31
SPS	MADOX 115KV	193	-0.13019	SPS	CAPROCK 115KV	36	0.00517	-0.13536	32
SPS	MADOX 115KV	193	-0.13019	SPS	WILWIND 230KV	72	0.00532	-0.13551	32
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	BLACKHAWK 115KV	220	0.00373	-0.13155	33
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	BLACKHAWK 115KV	220	0.00373	-0.13155	33
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	CAPROCK 115KV	36	0.00517	-0.13299	33
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	CAPROCK 115KV	36	0.00517	-0.13299	33
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	CZ 69KV	35	0.00342	-0.13124	33
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	CZ 69KV	35	0.00342	-0.13124	33
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	HARRINGTON 230KV	706	0.00384	-0.13166	33
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	HARRINGTON 230KV	706	0.00384	-0.13166	33
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	SIDRCH 69KV	14	0.00373	-0.13155	33
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	SIDRCH 69KV	14	0.00373	-0.13155	33
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	STEER WATER 115KV	36	0.00356	-0.13138	33
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	STEER WATER 115KV	36	0.00356	-0.13138	33
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	WILWIND 230KV	72	0.00532	-0.13314	33
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	WILWIND 230KV	72	0.00532	-0.13314	33
SPS	MADOX 115KV	193	-0.13019	SPS	BLACKHAWK 115KV	220	0.00373	-0.13392	33
SPS	MADOX 115KV	193	-0.13019	SPS	CZ 69KV	35	0.00342	-0.13361	33
SPS	MADOX 115KV	193	-0.13019	SPS	HARRINGTON 230KV	706	0.00384	-0.13403	33
SPS	MADOX 115KV	193	-0.13019	SPS	SIDRCH 69KV	14	0.00373	-0.13392	33
SPS	MADOX 115KV	193	-0.13019	SPS	STEER WATER 115KV	36	0.00356	-0.13375	33
SPS	MADOX 115KV	193	-0.13019	SPS	JONES 230KV	104	-0.00941	-0.12078	36
SPS	MADOX 115KV	193	-0.13019	SPS	LP-BRND2 69KV	60	-0.01013	-0.12006	36
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	JONES 230KV	104	-0.00941	-0.11841	37
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	JONES 230KV	104	-0.00941	-0.11841	37
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	LP-BRND2 69KV	60	-0.01013	-0.11769	37
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	LP-BRND2 69KV	60	-0.01013	-0.11769	37
SPS	MADOX 115KV	193	-0.13019	SPS	SAN JUAN 230KV	54	-0.01275	-0.11744	37
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	SAN JUAN 230KV	54	-0.01275	-0.11507	38
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	SAN JUAN 230KV	54	-0.01275	-0.11507	38
SPS	MADOX 115KV	193	-0.13019	SPS	CUNNINGHAM 230KV	56	-0.04897	-0.08122	54
SPS	CUNNINGHAM 115KV	71	-0.12782	SPS	CUNNINGHAM 230KV	56	-0.04897	-0.07885	55
SPS	CUNNINGHAM 115KV	110	-0.12782	SPS	CUNNINGHAM 230KV	56	-0.04897	-0.07885	55
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	TOLK 230KV	1011.046	0.01325	-0.06222	70
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	WILWIND 230KV	72	0.00532	-0.05429	80
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	CAPROCK 115KV	36	0.00517	-0.05414	81
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	BLACKHAWK 115KV	220	0.00373	-0.0527	83
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	CZ 69KV	35	0.00342	-0.05239	83
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	HARRINGTON 230KV	706	0.00384	-0.05281	83
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	STEER WATER 115KV	36	0.00356	-0.05253	83
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	JONES 230KV	104	-0.00941	-0.03956	110
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	LP-BRND2 69KV	60	-0.01013	-0.03884	112
SPS	CUNNINGHAM 230KV	250	-0.04897	SPS	SAN JUAN 230KV	54	-0.01275	-0.03622	120

Maximum Decrement and Maximum Increment were determine from the 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: 51966519691GEN51971 11107G
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	17.0	17.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	MUSTG5 118.0 230KV	210	0.21107	-0.32732	52
SPS	MADOX 115KV	75	-0.11884	SPS	MUSTG5 118.0 230KV	210	0.21107	-0.32991	52
SPS	LP-BRND2 69KV	152	-0.00865	SPS	MUSTG5 118.0 230KV	210	0.21107	-0.21972	78
SPS	HARRINGTON 230KV	360	0.00348	SPS	MUSTG5 118.0 230KV	210	0.21107	-0.20759	82
SPS	MOORE COUNTY 115KV	48	0.00355	SPS	MUSTG5 118.0 230KV	210	0.21107	-0.20752	82
SPS	NICHOLS 115KV	107	0.00334	SPS	MUSTG5 118.0 230KV	210	0.21107	-0.20773	82
SPS	NICHOLS 230KV	106.8447	0.00344	SPS	MUSTG5 118.0 230KV	210	0.21107	-0.20763	82
SPS	PLANTX 115KV	48	0.00542	SPS	MUSTG5 118.0 230KV	210	0.21107	-0.20565	83
SPS	TOLK 230KV	56.04358	0.01147	SPS	MUSTG5 118.0 230KV	210	0.21107	-0.1996	85
SPS	MADOX 115KV	75	-0.11884	SPS	TOLK 230KV	1023.956	0.01147	-0.13031	131
SPS	MADOX 115KV	75	-0.11884	SPS	PLANTX 230KV	189	0.01071	-0.12955	132
SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	TOLK 230KV	1023.956	0.01147	-0.12772	133
SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	PLANTX 230KV	189	0.01071	-0.12696	134
SPS	MADOX 115KV	75	-0.11884	SPS	CAPROCK 115KV	79.98182	0.00653	-0.12537	136
SPS	MADOX 115KV	75	-0.11884	SPS	PLANTX 115KV	205	0.00542	-0.12426	137
SPS	MADOX 115KV	75	-0.11884	SPS	WILWIND 230KV	159.9636	0.00484	-0.12368	138
SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	CAPROCK 115KV	79.98182	0.00653	-0.12278	139
SPS	MADOX 115KV	75	-0.11884	SPS	BLACKHAWK 115KV	220	0.00338	-0.12222	139
SPS	MADOX 115KV	75	-0.11884	SPS	HARRINGTON 230KV	706	0.00348	-0.12232	139
SPS	MADOX 115KV	75	-0.11884	SPS	NICHOLS 115KV	106	0.00334	-0.12218	139
SPS	MADOX 115KV	75	-0.11884	SPS	NICHOLS 230KV	137.1553	0.00344	-0.12228	139
SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	PLANTX 115KV	205	0.00542	-0.12167	140
SPS	MADOX 115KV	75	-0.11884	SPS	STEER WATER 115KV	79.98182	0.00323	-0.12207	140
SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	WILWIND 230KV	159.9636	0.00484	-0.12109	141
SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	BLACKHAWK 115KV	220	0.00338	-0.11963	142
SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	HARRINGTON 230KV	706	0.00348	-0.11973	142
SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	NICHOLS 115KV	106	0.00334	-0.11959	142
SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	NICHOLS 230KV	137.1553	0.00344	-0.11969	142

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

SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	STEER WATER 115KV	79.98182	0.00323	-0.11948	143
SPS	MADOX 115KV	75	-0.11884	SPS	SAN JUAN 230KV	119.9727	-0.00368	-0.11516	148
SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	SAN JUAN 230KV	119.9727	-0.00368	-0.11257	151
SPS	MADOX 115KV	75	-0.11884	SPS	JONES 230KV	486	-0.00782	-0.11102	153
SPS	MADOX 115KV	75	-0.11884	SPS	LP-BRND2 69KV	80	-0.00865	-0.11019	155
SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	JONES 230KV	486	-0.00782	-0.10843	157
SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	LP-BRND2 69KV	80	-0.00865	-0.1076	158
SPS	MADOX 115KV	75	-0.11884	SPS	CUNNINGHAM 230KV	306	-0.03619	-0.08265	206
SPS	CUNNINGHAM 115KV	71	-0.11625	SPS	CUNNINGHAM 230KV	306	-0.03619	-0.08006	213

Maximum Decrement and Maximum Increment were determine from the 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: 51966519691GEN51971 11107SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090487	26.1	26.1

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	79
SPS	CUNNINGHAM 115KV	71	-0.11627	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.32733	80
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.32733	80
SPS	LP-BRND2 69KV	152	-0.00866	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.21972	119
SPS	MOORE COUNTY 115KV	48	0.00354	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.20752	126
SPS	NICHOLS 115KV	131	0.00333	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.20773	126
SPS	NICHOLS 230KV	244	0.00343	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.20763	126
SPS	PLANTX 115KV	48	0.00541	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.20565	127
SPS	TOLK 230KV	50.62811	0.01146	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.1996	131
SPS	MADOX 115KV	75	-0.11885	SPS	TOLK 230KV	1029.372	0.01146	-0.13031	200
SPS	MADOX 115KV	75	-0.11885	SPS	PLANTX 230KV	189	0.0107	-0.12955	201
SPS	CUNNINGHAM 115KV	71	-0.11627	SPS	TOLK 230KV	1029.372	0.01146	-0.12773	204
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	TOLK 230KV	1029.372	0.01146	-0.12773	204
SPS	CUNNINGHAM 115KV	71	-0.11627	SPS	PLANTX 230KV	189	0.0107	-0.12697	206
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	PLANTX 230KV	189	0.0107	-0.12697	206
SPS	MADOX 115KV	75	-0.11885	SPS	CAPROCK 115KV	79.98182	0.00652	-0.12537	208
SPS	MADOX 115KV	75	-0.11885	SPS	PLANTX 115KV	205	0.00541	-0.12426	210
SPS	MADOX 115KV	75	-0.11885	SPS	WILWIND 230KV	159.9636	0.00482	-0.12367	211
SPS	CUNNINGHAM 115KV	71	-0.11627	SPS	CAPROCK 115KV	79.98182	0.00652	-0.12279	213
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	CAPROCK 115KV	79.98182	0.00652	-0.12279	213
SPS	MADOX 115KV	75	-0.11885	SPS	HARRINGTON 230KV	1066	0.00347	-0.12232	213
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	PLANTX 115KV	205	0.00541	-0.12168	214
SPS	MADOX 115KV	75	-0.11885	SPS	BLACKHAWK 115KV	220	0.00336	-0.12221	214
SPS	MADOX 115KV	75	-0.11885	SPS	NICHOLS 115KV	82	0.00333	-0.12218	214
SPS	MADOX 115KV	75	-0.11885	SPS	STEER WATER 115KV	79.98182	0.00321	-0.12206	214
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	WILWIND 230KV	159.9636	0.00482	-0.12109	216
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	BLACKHAWK 115KV	220	0.00336	-0.11963	218
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	HARRINGTON 230KV	1066	0.00347	-0.11974	218
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	NICHOLS 115KV	82	0.00333	-0.1196	218
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	STEER WATER 115KV	79.98182	0.00321	-0.11948	218
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	SAN JUAN 230KV	119.9727	-0.00369	-0.11258	232
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	JONES 230KV	486	-0.00783	-0.10844	241
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	CUNNINGHAM 230KV	283.6675	-0.0362	-0.08007	326

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

Upgrade: 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: 51966519691GEN51971 11307WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	21.9	21.9

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	36
SPS	MUSTANG 115KV	29	-0.39801	SPS	TOLK 230KV	1028.547	0.01142	-0.40943	53
SPS	MUSTANG 115KV	29	-0.39801	SPS	CAPROCK 115KV	79.99996	0.00647	-0.40448	54
SPS	MUSTANG 115KV	29	-0.39801	SPS	PLANTX 115KV	160.675	0.00516	-0.40317	54
SPS	MUSTANG 115KV	29	-0.39801	SPS	PLANTX 230KV	189	0.01064	-0.40865	54
SPS	MUSTANG 115KV	29	-0.39801	SPS	WILWIND 230KV	159.9999	0.00474	-0.40275	54
SPS	MUSTANG 115KV	29	-0.39801	SPS	BLACKHAWK 115KV	220	0.00328	-0.40129	55
SPS	MUSTANG 115KV	29	-0.39801	SPS	CZ 69KV	35	0.00301	-0.40102	55
SPS	MUSTANG 115KV	29	-0.39801	SPS	HARRINGTON 230KV	1066	0.00338	-0.40139	55
SPS	MUSTANG 115KV	29	-0.39801	SPS	STEER WATER 115KV	79.99996	0.00313	-0.40114	55
SPS	MUSTANG 115KV	29	-0.39801	SPS	JONES 230KV	243	-0.00762	-0.39039	56
SPS	MUSTANG 115KV	29	-0.39801	SPS	LP-BRND2 69KV	60	-0.00846	-0.38955	56
SPS	MUSTANG 115KV	29	-0.39801	SPS	SAN JUAN 230KV	119.9999	-0.00372	-0.39429	56
SPS	MUSTANG 115KV	29	-0.39801	SPS	CUNNINGHAM 230KV	196	-0.03617	-0.36184	60
SPS	MADOX 115KV	75	-0.11882	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.32992	66
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.32733	67
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.32733	67
SPS	MUSTANG 115KV	29	-0.39801	SPS	MADOX 115KV	118	-0.11882	-0.27919	78
SPS	CUNNINGHAM 230KV	110	-0.03617	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.24727	89
SPS	JONES 230KV	243	-0.00762	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.21872	100
SPS	LP-BRND2 69KV	172	-0.00846	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.21956	100
SPS	MOORE COUNTY 115KV	48	0.00346	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20764	105
SPS	NICHOLS 115KV	213	0.00324	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20786	105
SPS	NICHOLS 230KV	244	0.00334	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20776	105
SPS	PLANTX 115KV	92.32495	0.00516	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20594	106

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

SPS	TOLK 230KV	51.453	0.01142	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.19968	110
SPS	MADOX 115KV	75	-0.11882	SPS	TOLK 230KV	1028.547	0.01142	-0.13024	168
SPS	MADOX 115KV	75	-0.11882	SPS	PLANTX 230KV	189	0.01064	-0.12946	169
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	TOLK 230KV	1028.547	0.01142	-0.12765	171
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	TOLK 230KV	1028.547	0.01142	-0.12765	171
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	PLANTX 230KV	189	0.01064	-0.12687	173
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	PLANTX 230KV	189	0.01064	-0.12687	173
SPS	MADOX 115KV	75	-0.11882	SPS	CAPROCK 115KV	79.99996	0.00647	-0.12529	175
SPS	MADOX 115KV	75	-0.11882	SPS	PLANTX 115KV	160.675	0.00516	-0.12398	177
SPS	MADOX 115KV	75	-0.11882	SPS	WILWIND 230KV	159.9999	0.00474	-0.12356	177
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	CAPROCK 115KV	79.99996	0.00647	-0.1227	178
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	CAPROCK 115KV	79.99996	0.00647	-0.1227	178
SPS	MADOX 115KV	75	-0.11882	SPS	BLACKHAWK 115KV	220	0.00328	-0.1221	179
SPS	MADOX 115KV	75	-0.11882	SPS	HARRINGTON 230KV	1066	0.00338	-0.1222	179
SPS	MADOX 115KV	75	-0.11882	SPS	STEER WATER 115KV	79.99996	0.00313	-0.12195	179
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	PLANTX 115KV	160.675	0.00516	-0.12139	180
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	PLANTX 115KV	160.675	0.00516	-0.12139	180
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	WILWIND 230KV	159.9999	0.00474	-0.12097	181
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	WILWIND 230KV	159.9999	0.00474	-0.12097	181
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	BLACKHAWK 115KV	220	0.00328	-0.11951	183
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	BLACKHAWK 115KV	220	0.00328	-0.11951	183
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	HARRINGTON 230KV	1066	0.00338	-0.11961	183
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	HARRINGTON 230KV	1066	0.00338	-0.11961	183
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	STEER WATER 115KV	79.99996	0.00313	-0.11936	183
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	STEER WATER 115KV	79.99996	0.00313	-0.11936	183
SPS	MADOX 115KV	75	-0.11882	SPS	SAN JUAN 230KV	119.9999	-0.00372	-0.1151	190
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	SAN JUAN 230KV	119.9999	-0.00372	-0.11251	195
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	SAN JUAN 230KV	119.9999	-0.00372	-0.11251	195
SPS	MADOX 115KV	75	-0.11882	SPS	JONES 230KV	243	-0.00762	-0.1112	197
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	JONES 230KV	243	-0.00762	-0.10861	202
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	JONES 230KV	243	-0.00762	-0.10861	202
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	CUNNINGHAM 230KV	196	-0.03617	-0.08006	273

Maximum Decrement and Maximum Increment were determine from the 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: 51966519691GEN51971 11407FA
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	30.8	30.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	MADOX 115KV	89.26879	-0.11882	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.32992	93
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.32733	94
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.32733	94
SPS	CUNNINGHAM 230KV	306	-0.03618	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.24728	125
SPS	LP-BRND2 69KV	172	-0.00846	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.21956	140
SPS	NICHOLS 115KV	213	0.00324	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20786	148
SPS	NICHOLS 230KV	244	0.00334	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20776	148
SPS	PLANTX 115KV	253	0.00515	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20595	150
SPS	PLANTX 230KV	151.2	0.01063	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20047	154
SPS	TOLK 230KV	57.13647	0.01141	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.19969	154
SPS	MADOX 115KV	89.26879	-0.11882	SPS	TOLK 230KV	1022.864	0.01141	-0.13023	237
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	TOLK 230KV	1022.864	0.01141	-0.12764	242
SPS	MADOX 115KV	89.26879	-0.11882	SPS	HARRINGTON 230KV	1066	0.00338	-0.1222	252
SPS	MADOX 115KV	89.26879	-0.11882	SPS	BLACKHAWK 115KV	220	0.00328	-0.1221	253
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	BLACKHAWK 115KV	220	0.00328	-0.11951	258
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	HARRINGTON 230KV	1066	0.00338	-0.11961	258
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	JONES 230KV	486	-0.00762	-0.10861	284
SPS	CUNNINGHAM 230KV	306	-0.03618	SPS	TOLK 230KV	1022.864	0.01141	-0.04759	648
SPS	CUNNINGHAM 230KV	306	-0.03618	SPS	HARRINGTON 230KV	1066	0.00338	-0.03956	780

Maximum Decrement and Maximum Increment were determine from the 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: 51966519691GEN51972 11107G
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	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	106.8447	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 230KV	56.04358	0.01147	SPS	MUSTG5 118.0 230KV	210	0.21107	-0.1996	82
SPS	MADOX 115KV	75	-0.11884	SPS	TOLK 230KV	1023.956	0.01147	-0.13031	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	1023.956	0.01147	-0.12772	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

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

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	137.1553	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	137.1553	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: 51966519691GEN51972 11107SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090487	25.4	25.4

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	77
SPS	CUNNINGHAM 115KV	71	-0.11627	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.32733	78
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.32733	78
SPS	LP-BRND2 69KV	152	-0.00866	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.21972	116
SPS	MOORE COUNTY 115KV	48	0.00354	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.20752	122
SPS	NICHOLS 115KV	131	0.00333	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.20773	122
SPS	NICHOLS 230KV	244	0.00343	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.20763	122
SPS	PLANTX 115KV	48	0.00541	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.20565	123
SPS	TOLK 230KV	50.62811	0.01146	SPS	MUSTG5 118.0 230KV	210	0.21106	-0.1996	127
SPS	MADOX 115KV	75	-0.11885	SPS	TOLK 230KV	1029.372	0.01146	-0.13031	195
SPS	MADOX 115KV	75	-0.11885	SPS	PLANTX 230KV	189	0.0107	-0.12955	196
SPS	CUNNINGHAM 115KV	71	-0.11627	SPS	TOLK 230KV	1029.372	0.01146	-0.12773	199
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	TOLK 230KV	1029.372	0.01146	-0.12773	199
SPS	CUNNINGHAM 115KV	71	-0.11627	SPS	PLANTX 230KV	189	0.0107	-0.12697	200
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	PLANTX 230KV	189	0.0107	-0.12697	200
SPS	MADOX 115KV	75	-0.11885	SPS	CAPROCK 115KV	79.98182	0.00652	-0.12537	202
SPS	MADOX 115KV	75	-0.11885	SPS	PLANTX 115KV	205	0.00541	-0.12426	204
SPS	MADOX 115KV	75	-0.11885	SPS	WILWIND 230KV	159.9636	0.00482	-0.12367	205
SPS	CUNNINGHAM 115KV	71	-0.11627	SPS	CAPROCK 115KV	79.98182	0.00652	-0.12279	207
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	CAPROCK 115KV	79.98182	0.00652	-0.12279	207
SPS	MADOX 115KV	75	-0.11885	SPS	BLACKHAWK 115KV	220	0.00336	-0.12221	208
SPS	MADOX 115KV	75	-0.11885	SPS	HARRINGTON 230KV	1066	0.00347	-0.12232	208
SPS	MADOX 115KV	75	-0.11885	SPS	NICHOLS 115KV	82	0.00333	-0.12218	208
SPS	MADOX 115KV	75	-0.11885	SPS	STEER WATER 115KV	79.98182	0.00321	-0.12206	208
SPS	CUNNINGHAM 115KV	71	-0.11627	SPS	PLANTX 115KV	205	0.00541	-0.12168	209
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	PLANTX 115KV	205	0.00541	-0.12168	209
SPS	CUNNINGHAM 115KV	71	-0.11627	SPS	WILWIND 230KV	159.9636	0.00482	-0.12109	210
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	WILWIND 230KV	159.9636	0.00482	-0.12109	210
SPS	CUNNINGHAM 115KV	71	-0.11627	SPS	BLACKHAWK 115KV	220	0.00336	-0.11963	212
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	BLACKHAWK 115KV	220	0.00336	-0.11963	212
SPS	CUNNINGHAM 115KV	71	-0.11627	SPS	HARRINGTON 230KV	1066	0.00347	-0.11974	212
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	HARRINGTON 230KV	1066	0.00347	-0.11974	212
SPS	CUNNINGHAM 115KV	71	-0.11627	SPS	NICHOLS 115KV	82	0.00333	-0.1196	212
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	NICHOLS 115KV	82	0.00333	-0.1196	212
SPS	CUNNINGHAM 115KV	71	-0.11627	SPS	STEER WATER 115KV	79.98182	0.00321	-0.11948	212
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	STEER WATER 115KV	79.98182	0.00321	-0.11948	212
SPS	MADOX 115KV	75	-0.11885	SPS	SAN JUAN 230KV	119.9727	-0.00369	-0.11516	220
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	SAN JUAN 230KV	119.9727	-0.00369	-0.11258	225
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	JONES 230KV	486	-0.00783	-0.10844	234
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	LP-BRND2 69KV	80	-0.00866	-0.10761	236
SPS	CUNNINGHAM 115KV	110	-0.11627	SPS	CUNNINGHAM 230KV	283.6675	-0.0362	-0.08007	317

Maximum Decrement and Maximum Increment were determine from the 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: 51966519691GEN51972 11307WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	21.2	21.2

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	35
SPS	MUSTANG 115KV	29	-0.39801	SPS	CAPROCK 115KV	79.99996	0.00647	-0.40448	52
SPS	MUSTANG 115KV	29	-0.39801	SPS	PLANTX 230KV	189	0.01064	-0.40865	52
SPS	MUSTANG 115KV	29	-0.39801	SPS	TOLK 230KV	1028.547	0.01142	-0.40943	52
SPS	MUSTANG 115KV	29	-0.39801	SPS	BLACKHAWK 115KV	220	0.00328	-0.40129	53

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

SPS	MUSTANG 115KV	29	-0.39801	SPS	CZ 69KV	35	0.00301	-0.40102	53
SPS	MUSTANG 115KV	29	-0.39801	SPS	HARRINGTON 230KV	1066	0.00338	-0.40139	53
SPS	MUSTANG 115KV	29	-0.39801	SPS	PLANTX 115KV	160.675	0.00516	-0.40317	53
SPS	MUSTANG 115KV	29	-0.39801	SPS	STEER WATER 115KV	79.99996	0.00313	-0.40114	53
SPS	MUSTANG 115KV	29	-0.39801	SPS	WILWIND 230KV	159.9999	0.00474	-0.40275	53
SPS	MUSTANG 115KV	29	-0.39801	SPS	JONES 230KV	243	-0.00762	-0.39039	54
SPS	MUSTANG 115KV	29	-0.39801	SPS	LP-BRND2 69KV	60	-0.00846	-0.38955	54
SPS	MUSTANG 115KV	29	-0.39801	SPS	SAN JUAN 230KV	119.9999	-0.00372	-0.39429	54
SPS	MUSTANG 115KV	29	-0.39801	SPS	CUNNINGHAM 230KV	196	-0.03617	-0.36184	59
SPS	MADOX 115KV	75	-0.11882	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.32992	64
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.32733	65
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.32733	65
SPS	MUSTANG 115KV	29	-0.39801	SPS	MADOX 115KV	118	-0.11882	-0.27919	76
SPS	CUNNINGHAM 230KV	110	-0.03617	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.24727	86
SPS	LP-BRND2 69KV	172	-0.00846	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.21956	96
SPS	JONES 230KV	243	-0.00762	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.21872	97
SPS	MOORE COUNTY 115KV	48	0.00346	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20764	102
SPS	NICHOLS 115KV	213	0.00324	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20786	102
SPS	NICHOLS 230KV	244	0.00334	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20776	102
SPS	PLANTX 115KV	92.32495	0.00516	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20594	103
SPS	TOLK 230KV	51.453	0.01142	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.19968	106
SPS	MADOX 115KV	75	-0.11882	SPS	TOLK 230KV	1028.547	0.01142	-0.13024	163
SPS	MADOX 115KV	75	-0.11882	SPS	PLANTX 230KV	189	0.01064	-0.12946	164
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	TOLK 230KV	1028.547	0.01142	-0.12765	166
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	TOLK 230KV	1028.547	0.01142	-0.12765	166
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	PLANTX 230KV	189	0.01064	-0.12687	167
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	PLANTX 230KV	189	0.01064	-0.12687	167
SPS	MADOX 115KV	75	-0.11882	SPS	CAPROCK 115KV	79.99996	0.00647	-0.12529	169
SPS	MADOX 115KV	75	-0.11882	SPS	PLANTX 115KV	160.675	0.00516	-0.12398	171
SPS	MADOX 115KV	75	-0.11882	SPS	WILWIND 230KV	159.9999	0.00474	-0.12356	171
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	CAPROCK 115KV	79.99996	0.00647	-0.1227	173
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	CAPROCK 115KV	79.99996	0.00647	-0.1227	173
SPS	MADOX 115KV	75	-0.11882	SPS	BLACKHAWK 115KV	220	0.00328	-0.1221	173
SPS	MADOX 115KV	75	-0.11882	SPS	HARRINGTON 230KV	1066	0.00338	-0.1222	173
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	PLANTX 115KV	160.675	0.00516	-0.12139	174
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	PLANTX 115KV	160.675	0.00516	-0.12139	174
SPS	MADOX 115KV	75	-0.11882	SPS	STEER WATER 115KV	79.99996	0.00313	-0.12195	174
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	WILWIND 230KV	159.9999	0.00474	-0.12097	175
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	WILWIND 230KV	159.9999	0.00474	-0.12097	175
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	BLACKHAWK 115KV	220	0.00328	-0.11951	177
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	BLACKHAWK 115KV	220	0.00328	-0.11951	177
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	HARRINGTON 230KV	1066	0.00338	-0.11961	177
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	HARRINGTON 230KV	1066	0.00338	-0.11961	177
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	STEER WATER 115KV	79.99996	0.00313	-0.11936	177
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	STEER WATER 115KV	79.99996	0.00313	-0.11936	177
SPS	MADOX 115KV	75	-0.11882	SPS	SAN JUAN 230KV	119.9999	-0.00372	-0.1151	184
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	SAN JUAN 230KV	119.9999	-0.00372	-0.11251	188
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	SAN JUAN 230KV	119.9999	-0.00372	-0.11251	188
SPS	MADOX 115KV	75	-0.11882	SPS	JONES 230KV	243	-0.00762	-0.1112	190
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	JONES 230KV	243	-0.00762	-0.10861	195
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	JONES 230KV	243	-0.00762	-0.10861	195
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	CUNNINGHAM 230KV	196	-0.03617	-0.08006	264

Maximum Decrement and Maximum Increment were determine from the 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: 51966519691GEN51972 11407FA
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	30.1	30.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	MADOX 115KV	89.26879	-0.11882	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.32992	91
SPS	CUNNINGHAM 115KV	71	-0.11623	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.32733	92
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.32733	92
SPS	CUNNINGHAM 230KV	306	-0.03618	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.24728	122
SPS	LP-BRND2 69KV	172	-0.00846	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.21956	137
SPS	NICHOLS 115KV	213	0.00324	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20786	145
SPS	NICHOLS 230KV	244	0.00334	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20776	145
SPS	PLANTX 115KV	253	0.00515	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20595	146
SPS	PLANTX 230KV	151.2	0.01063	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.20047	150
SPS	TOLK 230KV	57.13647	0.01141	SPS	MUSTG5 118.0 230KV	210	0.2111	-0.19969	151
SPS	MADOX 115KV	89.26879	-0.11882	SPS	TOLK 230KV	1022.864	0.01141	-0.13023	231
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	TOLK 230KV	1022.864	0.01141	-0.12764	236
SPS	MADOX 115KV	89.26879	-0.11882	SPS	BLACKHAWK 115KV	220	0.00328	-0.1221	247
SPS	MADOX 115KV	89.26879	-0.11882	SPS	HARRINGTON 230KV	1066	0.00338	-0.1222	247
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	BLACKHAWK 115KV	220	0.00328	-0.11951	252
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	HARRINGTON 230KV	1066	0.00338	-0.11961	252
SPS	CUNNINGHAM 115KV	110	-0.11623	SPS	JONES 230KV	486	-0.00762	-0.10861	277
SPS	CUNNINGHAM 230KV	306	-0.03618	SPS	TOLK 230KV	1022.864	0.01141	-0.04759	633
SPS	CUNNINGHAM 230KV	306	-0.03618	SPS	HARRINGTON 230KV	1066	0.00338	-0.03956	762

Maximum Decrement and Maximum Increment were determine from the 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: 5196051966151962519681140 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

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

1090487	1.9	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	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	128.3501	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	56.93768	0.0037	SPS	MUSTANG 115KV	300	0.4299	-0.4262	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	CUNNINGHAM 115KV	71	-0.16159	SPS	TOLK 230KV	1023.062	0.0037	-0.16529	11
SPS	MADOX 115KV	75	-0.16457	SPS	BLACKHAWK 115KV	220	0.00123	-0.1658	11
SPS	MADOX 115KV	75	-0.16457	SPS	CZ 69KV	35	0.00112	-0.16569	11
SPS	MADOX 115KV	75	-0.16457	SPS	HARRINGTON 230KV	706	0.00127	-0.16584	11
SPS	MADOX 115KV	75	-0.16457	SPS	HUBRCO2 69KV	5	0.00123	-0.1658	11
SPS	MADOX 115KV	75	-0.16457	SPS	NICHOLS 115KV	84.6499	0.0012	-0.16577	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	SIDRCH 69KV	14	0.00123	-0.1658	11
SPS	MADOX 115KV	75	-0.16457	SPS	STEER WATER 115KV	36	0.00116	-0.16573	11
SPS	MADOX 115KV	75	-0.16457	SPS	TOLK 230KV	1023.062	0.0037	-0.16827	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	84.6499	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	WILWIND 230KV	72	0.00174	-0.16333	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	CAPROCK 115KV	36	-0.00271	-0.16186	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	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
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	128.3501	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	56.93768	0.0037	SPS	MUSTG5 118.0 230KV	210	0.15054	-0.14684	13
SPS	CUNNINGHAM 115KV	71	-0.16159	SPS	CUNNINGHAM 230KV	306	-0.07305	-0.08854	21
SPS	MADOX 115KV	75	-0.16457	SPS	CUNNINGHAM 230KV	306	-0.07305	-0.09152	21
SPS	CARLSBAD 69KV	18	-0.07656	SPS	PLANTX 230KV	189	0.00434	-0.0809	23
SPS	CARLSBAD 69KV	18	-0.07656	SPS	BLACKHAWK 115KV	220	0.00123	-0.07779	24
SPS	CARLSBAD 69KV	18	-0.07656	SPS	CZ 69KV	35	0.00112	-0.07768	24
SPS	CARLSBAD 69KV	18	-0.07656	SPS	HARRINGTON 230KV	706	0.00127	-0.07783	24
SPS	CARLSBAD 69KV	18	-0.07656	SPS	NICHOLS 115KV	84.6499	0.0012	-0.07776	24
SPS	CARLSBAD 69KV	18	-0.07656	SPS	PLANTX 115KV	205	0.00215	-0.07871	24
SPS	CARLSBAD 69KV	18	-0.07656	SPS	SIDRCH 69KV	14	0.00123	-0.07779	24
SPS	CARLSBAD 69KV	18	-0.07656	SPS	STEER WATER 115KV	36	0.00116	-0.07772	24
SPS	CARLSBAD 69KV	18	-0.07656	SPS	TOLK 230KV	1023.062	0.0037	-0.08026	24
SPS	CARLSBAD 69KV	18	-0.07656	SPS	WILWIND 230KV	72	0.00174	-0.0783	24
SPS	CARLSBAD 69KV	18	-0.07656	SPS	JONES 230KV	486	-0.00227	-0.07429	25
SPS	CARLSBAD 69KV	18	-0.07656	SPS	CAPROCK 115KV	36	-0.00271	-0.07385	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: 5196051966151962519681140 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	8.4	8.4							
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	14
SPS	CUNNINGHAM 115KV	110	-0.1616	SPS	MUSTANG 115KV	300	0.42989	-0.59149	14
SPS	MADOX 115KV	75	-0.16457	SPS	MUSTANG 115KV	300	0.42989	-0.59446	14
SPS	CARLSBAD 69KV	18	-0.07657	SPS	MUSTANG 115KV	300	0.42989	-0.50646	17
SPS	CUNNINGHAM 230KV	19.1792	-0.07306	SPS	MUSTANG 115KV	300	0.42989	-0.50295	17

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

SPS	LP-BRND2 69KV	152	-0.00262	SPS	MUSTANG 115KV	300	0.42989	-0.43251	19
SPS	TUCUMCARI 115KV	15	-0.00272	SPS	MUSTANG 115KV	300	0.42989	-0.43261	19
SPS	MOORE COUNTY 115KV	48	0.00129	SPS	MUSTANG 115KV	300	0.42989	-0.4286	20
SPS	NICHOLS 115KV	131	0.0012	SPS	MUSTANG 115KV	300	0.42989	-0.42869	20
SPS	NICHOLS 230KV	244	0.00124	SPS	MUSTANG 115KV	300	0.42989	-0.42865	20
SPS	PLANTX 115KV	48	0.00215	SPS	MUSTANG 115KV	300	0.42989	-0.42774	20
SPS	RIVERVIEW 69KV	23	0.00122	SPS	MUSTANG 115KV	300	0.42989	-0.42867	20
SPS	TOLK 230KV	52.68716	0.0037	SPS	MUSTANG 115KV	300	0.42989	-0.42619	20
SPS	CUNNINGHAM 115KV	71	-0.1616	SPS	MUSTG5 118.0 230KV	210	0.15053	-0.31213	27
SPS	CUNNINGHAM 115KV	110	-0.1616	SPS	MUSTG5 118.0 230KV	210	0.15053	-0.31213	27
SPS	MADOX 115KV	75	-0.16457	SPS	MUSTG5 118.0 230KV	210	0.15053	-0.3151	27
SPS	MUSTG5 118.0 230KV	150	0.15053	SPS	MUSTANG 115KV	300	0.42989	-0.27936	30
SPS	CARLSBAD 69KV	18	-0.07657	SPS	MUSTG5 118.0 230KV	210	0.15053	-0.2271	37
SPS	CUNNINGHAM 230KV	19.1792	-0.07306	SPS	MUSTG5 118.0 230KV	210	0.15053	-0.22359	38
SPS	MADOX 115KV	75	-0.16457	SPS	PLANTX 115KV	205	0.00215	-0.16672	50
SPS	MADOX 115KV	75	-0.16457	SPS	PLANTX 230KV	189	0.00433	-0.1689	50
SPS	MADOX 115KV	75	-0.16457	SPS	TOLK 230KV	1027.313	0.0037	-0.16827	50
SPS	CUNNINGHAM 115KV	71	-0.1616	SPS	PLANTX 115KV	205	0.00215	-0.16375	51
SPS	CUNNINGHAM 115KV	110	-0.1616	SPS	PLANTX 115KV	205	0.00215	-0.16375	51
SPS	CUNNINGHAM 115KV	71	-0.1616	SPS	PLANTX 230KV	189	0.00433	-0.16593	51
SPS	CUNNINGHAM 115KV	110	-0.1616	SPS	PLANTX 230KV	189	0.00433	-0.16593	51
SPS	CUNNINGHAM 115KV	71	-0.1616	SPS	TOLK 230KV	1027.313	0.0037	-0.1653	51
SPS	CUNNINGHAM 115KV	110	-0.1616	SPS	TOLK 230KV	1027.313	0.0037	-0.1653	51
SPS	MADOX 115KV	75	-0.16457	SPS	BLACKHAWK 115KV	220	0.00122	-0.16579	51
SPS	MADOX 115KV	75	-0.16457	SPS	CZ 69KV	35	0.00112	-0.16569	51
SPS	MADOX 115KV	75	-0.16457	SPS	HARRINGTON 230KV	1066	0.00126	-0.16583	51
SPS	MADOX 115KV	75	-0.16457	SPS	NICHOLS 115KV	82	0.0012	-0.16577	51
SPS	CUNNINGHAM 115KV	71	-0.1616	SPS	BLACKHAWK 115KV	220	0.00122	-0.16282	52
SPS	CUNNINGHAM 115KV	110	-0.1616	SPS	BLACKHAWK 115KV	220	0.00122	-0.16282	52
SPS	CUNNINGHAM 115KV	71	-0.1616	SPS	CZ 69KV	35	0.00112	-0.16272	52
SPS	CUNNINGHAM 115KV	110	-0.1616	SPS	CZ 69KV	35	0.00112	-0.16272	52
SPS	CUNNINGHAM 115KV	71	-0.1616	SPS	HARRINGTON 230KV	1066	0.00126	-0.16286	52
SPS	CUNNINGHAM 115KV	110	-0.1616	SPS	HARRINGTON 230KV	1066	0.00126	-0.16286	52
SPS	CUNNINGHAM 115KV	71	-0.1616	SPS	NICHOLS 115KV	82	0.0012	-0.1628	52
SPS	CUNNINGHAM 115KV	110	-0.1616	SPS	NICHOLS 115KV	82	0.0012	-0.1628	52
SPS	MADOX 115KV	75	-0.16457	SPS	JONES 230KV	486	-0.00227	-0.1623	52
SPS	MADOX 115KV	75	-0.16457	SPS	LP-BRND2 69KV	80	-0.00262	-0.16195	52
SPS	CUNNINGHAM 115KV	71	-0.1616	SPS	JONES 230KV	486	-0.00227	-0.15933	53
SPS	CUNNINGHAM 115KV	110	-0.1616	SPS	JONES 230KV	486	-0.00227	-0.15933	53
SPS	CUNNINGHAM 115KV	71	-0.1616	SPS	LP-BRND2 69KV	80	-0.00262	-0.15898	53
SPS	CUNNINGHAM 115KV	110	-0.1616	SPS	LP-BRND2 69KV	80	-0.00262	-0.15898	53
SPS	LP-BRND2 69KV	152	-0.00262	SPS	MUSTG5 118.0 230KV	210	0.15053	-0.15315	55
SPS	MOORE COUNTY 115KV	48	0.00129	SPS	MUSTG5 118.0 230KV	210	0.15053	-0.14924	56
SPS	NICHOLS 115KV	131	0.0012	SPS	MUSTG5 118.0 230KV	210	0.15053	-0.14933	56
SPS	NICHOLS 230KV	244	0.00124	SPS	MUSTG5 118.0 230KV	210	0.15053	-0.14929	56
SPS	RIVERVIEW 69KV	23	0.00122	SPS	MUSTG5 118.0 230KV	210	0.15053	-0.14931	56
SPS	PLANTX 115KV	48	0.00215	SPS	MUSTG5 118.0 230KV	210	0.15053	-0.14838	57
SPS	TOLK 230KV	52.68716	0.0037	SPS	MUSTG5 118.0 230KV	210	0.15053	-0.14683	57
SPS	MADOX 115KV	75	-0.16457	SPS	CUNNINGHAM 230KV	286.8208	-0.07306	-0.09151	92
SPS	CUNNINGHAM 115KV	71	-0.1616	SPS	CUNNINGHAM 230KV	286.8208	-0.07306	-0.08854	95
SPS	CUNNINGHAM 115KV	110	-0.1616	SPS	CUNNINGHAM 230KV	286.8208	-0.07306	-0.08854	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: 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: 5196051966151962519681140 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	15.1	15.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	MADOX 115KV	10	-0.16451	SPS	MUSTANG 115KV	300	0.42997	-0.59448	25
SPS	CARLSBAD 69KV	18	-0.07651	SPS	MUSTANG 115KV	300	0.42997	-0.50648	30
SPS	LP-BRND2 69KV	152	-0.00251	SPS	MUSTANG 115KV	300	0.42997	-0.43248	35
SPS	NICHOLS 115KV	66.00001	0.00119	SPS	MUSTANG 115KV	300	0.42997	-0.42878	35
SPS	NICHOLS 230KV	97	0.00124	SPS	MUSTANG 115KV	300	0.42997	-0.42873	35
SPS	PLANTX 115KV	36.28467	0.00214	SPS	MUSTANG 115KV	300	0.42997	-0.42783	35
SPS	RIVERVIEW 69KV	23	0.00121	SPS	MUSTANG 115KV	300	0.42997	-0.42876	35
SPS	TOLK 230KV	42.57498	0.00372	SPS	MUSTANG 115KV	300	0.42997	-0.42625	35
SPS	TUCUMCARI 115KV	15	-0.0027	SPS	MUSTANG 115KV	300	0.42997	-0.43267	35
SPS	LP-BRND2 69KV	152	-0.00251	SPS	MUSTG5 118.0 230KV	360	0.1506	-0.15311	99
SPS	NICHOLS 115KV	66.00001	0.00119	SPS	MUSTG5 118.0 230KV	360	0.1506	-0.14941	101
SPS	NICHOLS 230KV	97	0.00124	SPS	MUSTG5 118.0 230KV	360	0.1506	-0.14936	101
SPS	PLANTX 115KV	36.28467	0.00214	SPS	MUSTG5 118.0 230KV	360	0.1506	-0.14846	102
SPS	TOLK 230KV	42.57498	0.00372	SPS	MUSTG5 118.0 230KV	360	0.1506	-0.14688	103

Maximum Decrement and Maximum Increment were determine from the 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 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	23.8	23.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	MADOX 115KV	75	-0.16457	SPS	MUSTANG 115KV	300	0.42989	-0.59446	40
SPS	CARLSBAD 69KV	18	-0.07656	SPS	MUSTANG 115KV	300	0.42989	-0.50645	47

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

SPS	LP-BRND2 69KV	152	-0.00262	SPS	MUSTANG 115KV	300	0.42989	-0.43251	55
SPS	NICHOLS 115KV	66.00001	0.0012	SPS	MUSTANG 115KV	300	0.42989	-0.42869	56
SPS	NICHOLS 230KV	97	0.00125	SPS	MUSTANG 115KV	300	0.42989	-0.42864	56
SPS	PLANTX 115KV	48	0.00215	SPS	MUSTANG 115KV	300	0.42989	-0.42774	56
SPS	RIVERVIEW 69KV	23	0.00122	SPS	MUSTANG 115KV	300	0.42989	-0.42867	56
SPS	TOLK 230KV	50.35391	0.0037	SPS	MUSTANG 115KV	300	0.42989	-0.42619	56
SPS	MADOX 115KV	75	-0.16457	SPS	MUSTG5 118.0 230KV	360	0.15053	-0.3151	76
SPS	MADOX 115KV	75	-0.16457	SPS	PLANTX 230KV	189	0.00433	-0.1689	141
SPS	MADOX 115KV	75	-0.16457	SPS	TOLK 230KV	1029.646	0.0037	-0.16827	142
SPS	MADOX 115KV	75	-0.16457	SPS	PLANTX 115KV	205	0.00215	-0.16672	143
SPS	MADOX 115KV	75	-0.16457	SPS	BLACKHAWK 115KV	220	0.00122	-0.16579	144
SPS	MADOX 115KV	75	-0.16457	SPS	HARRINGTON 230KV	1066	0.00126	-0.16583	144
SPS	MADOX 115KV	75	-0.16457	SPS	MOORE COUNTY 115KV	48	0.00129	-0.16586	144
SPS	MADOX 115KV	75	-0.16457	SPS	NICHOLS 115KV	147	0.0012	-0.16577	144
SPS	MADOX 115KV	75	-0.16457	SPS	NICHOLS 230KV	147	0.00125	-0.16582	144
SPS	MADOX 115KV	75	-0.16457	SPS	JONES 230KV	486	-0.00227	-0.1623	147
SPS	MADOX 115KV	75	-0.16457	SPS	LP-BRND2 69KV	80	-0.00262	-0.16195	147
SPS	LP-BRND2 69KV	152	-0.00262	SPS	MUSTG5 118.0 230KV	360	0.15053	-0.15315	156
SPS	NICHOLS 115KV	66.00001	0.0012	SPS	MUSTG5 118.0 230KV	360	0.15053	-0.14933	160
SPS	NICHOLS 230KV	97	0.00125	SPS	MUSTG5 118.0 230KV	360	0.15053	-0.14928	160

Maximum Decrement and Maximum Increment were determine from the 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: 5196251968151960519661140 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	4.8	4.8

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	8
SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	MUSTANG 115KV	300	0.4299	-0.59061	8
SPS	MADOX 115KV	75	-0.16388	SPS	MUSTANG 115KV	300	0.4299	-0.59378	8
SPS	CARLSBAD 69KV	18	-0.07641	SPS	MUSTANG 115KV	300	0.4299	-0.50631	10
SPS	CUNNINGHAM 230KV	19.1792	-0.07309	SPS	MUSTANG 115KV	300	0.4299	-0.50299	10
SPS	CZ 69KV	4	0.00106	SPS	MUSTANG 115KV	300	0.4299	-0.42884	11
SPS	HUBRCO2 69KV	6	0.00116	SPS	MUSTANG 115KV	300	0.4299	-0.42874	11
SPS	LP-BRND2 69KV	152	-0.00246	SPS	MUSTANG 115KV	300	0.4299	-0.43236	11
SPS	MOORE COUNTY 115KV	48	0.00122	SPS	MUSTANG 115KV	300	0.4299	-0.42868	11
SPS	NICHOLS 115KV	131	0.00114	SPS	MUSTANG 115KV	300	0.4299	-0.42876	11
SPS	NICHOLS 230KV	244	0.00118	SPS	MUSTANG 115KV	300	0.4299	-0.42872	11
SPS	PLANTX 115KV	48	0.00205	SPS	MUSTANG 115KV	300	0.4299	-0.42785	11
SPS	RIVERVIEW 69KV	23	0.00116	SPS	MUSTANG 115KV	300	0.4299	-0.42874	11
SPS	SIDRCH 69KV	6	0.00116	SPS	MUSTANG 115KV	300	0.4299	-0.42874	11
SPS	TOLK 230KV	52.68716	0.00348	SPS	MUSTANG 115KV	300	0.4299	-0.42642	11
SPS	TUCUMCARI 115KV	15	-0.00289	SPS	MUSTANG 115KV	300	0.4299	-0.43279	11
SPS	MADOX 115KV	75	-0.16388	SPS	MUSTG5 118.0 230KV	210	0.14749	-0.31137	15
SPS	CUNNINGHAM 115KV	71	-0.16071	SPS	MUSTG5 118.0 230KV	210	0.14749	-0.3082	16
SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	MUSTG5 118.0 230KV	210	0.14749	-0.3082	16
SPS	MUSTG5 118.0 230KV	150	0.14749	SPS	MUSTANG 115KV	300	0.4299	-0.28241	17
SPS	CARLSBAD 69KV	18	-0.07641	SPS	MUSTG5 118.0 230KV	210	0.14749	-0.2239	22
SPS	CUNNINGHAM 230KV	19.1792	-0.07309	SPS	MUSTG5 118.0 230KV	210	0.14749	-0.22058	22
SPS	CUNNINGHAM 115KV	71	-0.16071	SPS	PLANTX 230KV	189	0.00415	-0.16486	29
SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	PLANTX 230KV	189	0.00415	-0.16486	29
SPS	CUNNINGHAM 115KV	71	-0.16071	SPS	TOLK 230KV	1027.313	0.00348	-0.16419	29
SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	TOLK 230KV	1027.313	0.00348	-0.16419	29
SPS	MADOX 115KV	75	-0.16388	SPS	BLACKHAWK 115KV	220	0.00116	-0.16504	29
SPS	MADOX 115KV	75	-0.16388	SPS	CZ 69KV	35	0.00106	-0.16494	29
SPS	MADOX 115KV	75	-0.16388	SPS	HARRINGTON 230KV	1066	0.0012	-0.16508	29
SPS	MADOX 115KV	75	-0.16388	SPS	NICHOLS 115KV	82	0.00114	-0.16502	29
SPS	MADOX 115KV	75	-0.16388	SPS	PLANTX 115KV	205	0.00205	-0.16593	29
SPS	MADOX 115KV	75	-0.16388	SPS	PLANTX 230KV	189	0.00415	-0.16803	29
SPS	MADOX 115KV	75	-0.16388	SPS	SIDRCH 69KV	14	0.00116	-0.16504	29
SPS	MADOX 115KV	75	-0.16388	SPS	TOLK 230KV	1027.313	0.00348	-0.16736	29
SPS	MADOX 115KV	75	-0.16388	SPS	WILWIND 230KV	16	0.00164	-0.16552	29
SPS	CUNNINGHAM 115KV	71	-0.16071	SPS	BLACKHAWK 115KV	220	0.00116	-0.16187	30
SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	BLACKHAWK 115KV	220	0.00116	-0.16187	30
SPS	CUNNINGHAM 115KV	71	-0.16071	SPS	CZ 69KV	35	0.00106	-0.16177	30
SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	CZ 69KV	35	0.00106	-0.16177	30
SPS	CUNNINGHAM 115KV	71	-0.16071	SPS	HARRINGTON 230KV	1066	0.0012	-0.16191	30
SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	HARRINGTON 230KV	1066	0.0012	-0.16191	30
SPS	CUNNINGHAM 115KV	71	-0.16071	SPS	JONES 230KV	486	-0.00213	-0.15858	30
SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	JONES 230KV	486	-0.00213	-0.15858	30
SPS	CUNNINGHAM 115KV	71	-0.16071	SPS	LP-BRND2 69KV	80	-0.00246	-0.15825	30
SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	LP-BRND2 69KV	80	-0.00246	-0.15825	30
SPS	CUNNINGHAM 115KV	71	-0.16071	SPS	NICHOLS 115KV	82	0.00114	-0.16185	30
SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	NICHOLS 115KV	82	0.00114	-0.16185	30
SPS	CUNNINGHAM 115KV	71	-0.16071	SPS	PLANTX 115KV	205	0.00205	-0.16276	30
SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	PLANTX 115KV	205	0.00205	-0.16276	30
SPS	CUNNINGHAM 115KV	71	-0.16071	SPS	SIDRCH 69KV	14	0.00116	-0.16187	30
SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	SIDRCH 69KV	14	0.00116	-0.16187	30
SPS	CUNNINGHAM 115KV	71	-0.16071	SPS	WILWIND 230KV	16	0.00164	-0.16235	30
SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	WILWIND 230KV	16	0.00164	-0.16235	30
SPS	MADOX 115KV	75	-0.16388	SPS	JONES 230KV	486	-0.00213	-0.16175	30
SPS	MADOX 115KV	75	-0.16388	SPS	LP-BRND2 69KV	80	-0.00246	-0.16142	30
SPS	LP-BRND2 69KV	152	-0.00246	SPS	MUSTG5 118.0 230KV	210	0.14749	-0.14995	32
SPS	TUCUMCARI 115KV	15	-0.00289	SPS	MUSTG5 118.0 230KV	210	0.14749	-0.15038	32
SPS	MADOX 115KV	75	-0.16388	SPS	SAN JUAN 230KV	12	-0.01905	-0.14483	33
SPS	MOORE COUNTY 115KV	48	0.00122	SPS	MUSTG5 118.0 230KV	210	0.14749	-0.14627	33
SPS	NICHOLS 115KV	131	0.00114	SPS	MUSTG5 118.0 230KV	210	0.14749	-0.14635	33
SPS	NICHOLS 230KV	244	0.00118	SPS	MUSTG5 118.0 230KV	210	0.14749	-0.14631	33
SPS	PLANTX 115KV	48	0.00205	SPS	MUSTG5 118.0 230KV	210	0.14749	-0.14544	33
SPS	RIVERVIEW 69KV	23	0.00116	SPS	MUSTG5 118.0 230KV	210	0.14749	-0.14633	33
SPS	TOLK 230KV	52.68716	0.00348	SPS	MUSTG5 118.0 230KV	210	0.14749	-0.14401	33
SPS	CUNNINGHAM 115KV	71	-0.16071	SPS	SAN JUAN 230KV	12	-0.01905	-0.14166	34

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

SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	SAN JUAN 230KV	12	-0.01905	-0.14166	34
SPS	MADOX 115KV	75	-0.16388	SPS	CUNNINGHAM 230KV	286.8208	-0.07309	-0.09079	53
SPS	CUNNINGHAM 115KV	71	-0.16071	SPS	CUNNINGHAM 230KV	286.8208	-0.07309	-0.08762	55
SPS	CUNNINGHAM 115KV	110	-0.16071	SPS	CUNNINGHAM 230KV	286.8208	-0.07309	-0.08762	55

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

Upgrade: Mustang-San Andr-Amerada Hess 115KV
Limiting Facility: DENVER CITY INTERCHANGE S - MUSTANG STATION 115KV CKT 1
Direction: To->From
Line Outage: DENVER CITY INTERCHANGE N - MUSTANG STATION 115KV CKT 1
Flowgate: 5196251968151960519661140 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	10.9	10.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	MADOX 115KV	10	-0.16381	SPS	MUSTANG 115KV	300	0.42997	-0.59378	18
SPS	CARLSBAD 69KV	18	-0.07636	SPS	MUSTANG 115KV	300	0.42997	-0.50633	21
SPS	LP-BRND2 69KV	152	-0.00236	SPS	MUSTANG 115KV	300	0.42997	-0.43233	25
SPS	NICHOLS 115KV	66.00001	0.00113	SPS	MUSTANG 115KV	300	0.42997	-0.42884	25
SPS	NICHOLS 230KV	97	0.00118	SPS	MUSTANG 115KV	300	0.42997	-0.42879	25
SPS	PLANTX 115KV	36.28467	0.00204	SPS	MUSTANG 115KV	300	0.42997	-0.42793	25
SPS	RIVERVIEW 69KV	23	0.00115	SPS	MUSTANG 115KV	300	0.42997	-0.42882	25
SPS	TUCUMCARI 115KV	15	-0.00287	SPS	MUSTANG 115KV	300	0.42997	-0.43284	25
SPS	TOLK 230KV	42.57498	0.00351	SPS	MUSTANG 115KV	300	0.42997	-0.42646	26
SPS	CARLSBAD 69KV	18	-0.07636	SPS	MUSTG5 118.0 230KV	360	0.14755	-0.22391	49
SPS	LP-BRND2 69KV	152	-0.00236	SPS	MUSTG5 118.0 230KV	360	0.14755	-0.14991	73
SPS	NICHOLS 115KV	66.00001	0.00113	SPS	MUSTG5 118.0 230KV	360	0.14755	-0.14642	74
SPS	NICHOLS 230KV	97	0.00118	SPS	MUSTG5 118.0 230KV	360	0.14755	-0.14637	74
SPS	PLANTX 115KV	36.28467	0.00204	SPS	MUSTG5 118.0 230KV	360	0.14755	-0.14551	75
SPS	TOLK 230KV	42.57498	0.00351	SPS	MUSTG5 118.0 230KV	360	0.14755	-0.14404	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: 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	23.3

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	39
SPS	CARLSBAD 69KV	18	-0.07641	SPS	MUSTANG 115KV	300	0.4299	-0.50631	46
SPS	LP-BRND2 69KV	152	-0.00246	SPS	MUSTANG 115KV	300	0.4299	-0.43236	54
SPS	NICHOLS 115KV	66.00001	0.00114	SPS	MUSTANG 115KV	300	0.4299	-0.42876	54
SPS	NICHOLS 230KV	97	0.00118	SPS	MUSTANG 115KV	300	0.4299	-0.42872	54
SPS	PLANTX 115KV	48	0.00205	SPS	MUSTANG 115KV	300	0.4299	-0.42785	54
SPS	RIVERVIEW 69KV	23	0.00116	SPS	MUSTANG 115KV	300	0.4299	-0.42874	54
SPS	TOLK 230KV	50.35391	0.00348	SPS	MUSTANG 115KV	300	0.4299	-0.42642	55
SPS	MADOX 115KV	75	-0.16388	SPS	MUSTG5 118.0 230KV	360	0.14749	-0.31137	75
SPS	MADOX 115KV	75	-0.16388	SPS	PLANTX 230KV	189	0.00415	-0.16803	139
SPS	MADOX 115KV	75	-0.16388	SPS	TOLK 230KV	1029.646	0.00348	-0.16736	139
SPS	MADOX 115KV	75	-0.16388	SPS	BLACKHAWK 115KV	220	0.00116	-0.16504	141
SPS	MADOX 115KV	75	-0.16388	SPS	HARRINGTON 230KV	1066	0.0012	-0.16508	141
SPS	MADOX 115KV	75	-0.16388	SPS	MOORE COUNTY 115KV	48	0.00123	-0.16511	141
SPS	MADOX 115KV	75	-0.16388	SPS	NICHOLS 115KV	147	0.00114	-0.16502	141
SPS	MADOX 115KV	75	-0.16388	SPS	NICHOLS 230KV	147	0.00118	-0.16506	141
SPS	MADOX 115KV	75	-0.16388	SPS	PLANTX 115KV	205	0.00205	-0.16593	141
SPS	MADOX 115KV	75	-0.16388	SPS	JONES 230KV	486	-0.00213	-0.16175	144
SPS	MADOX 115KV	75	-0.16388	SPS	LP-BRND2 69KV	80	-0.00246	-0.16142	144
SPS	LP-BRND2 69KV	152	-0.00246	SPS	MUSTG5 118.0 230KV	360	0.14749	-0.14995	155
SPS	NICHOLS 115KV	66.00001	0.00114	SPS	MUSTG5 118.0 230KV	360	0.14749	-0.14635	159
SPS	NICHOLS 230KV	97	0.00118	SPS	MUSTG5 118.0 230KV	360	0.14749	-0.14631	159

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

Upgrade: 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	1.1	1.6
1086656	0.4	1.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	CITY OF BURLINGTON 69KV	7.8	0.0451	-0.29276	5
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.0451	-0.29276	5
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	CITY OF BURLINGTON 69KV	7.8	0.0451	-0.32927	5
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	CITY OF GIRARD 69KV	4.789	0.00966	-0.29383	5
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.0451	-0.32927	5
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	LAWRENCE ENERGY CENTER 115KV	85	0.00124	-0.28541	5
WERE	OXFORD 138KV	3	-0.25228	WERE	CITY OF BURLINGTON 69KV	7.8	0.0451	-0.29738	5

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

WERE	OXFORD 138KV	3	-0.25228	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.0451	-0.29738	5
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	CITY OF GIRARD 69KV	4.789	0.00966	-0.25732	6
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	CITY OF IOLA 69KV	24.267	-0.00508	-0.24258	6
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00308	-0.24458	6
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00293	-0.24473	6
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	LAWRENCE ENERGY CENTER 115KV	85	0.00124	-0.2489	6
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	LAWRENCE ENERGY CENTER 230KV	230.6614	0.00053	-0.24819	6
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	TECUMSEH ENERGY CENTER 115KV	123.8662	-0.00156	-0.2461	6
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00745	-0.27672	6
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	BPU - CITY OF MCPHERSON 115KV	135	-0.01232	-0.27185	6
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	CHANUTE 69KV	56.723	-0.01127	-0.2729	6
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	CITY OF ERIE 69KV	23.27	-0.01127	-0.2729	6
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	CITY OF FREDONIA 69KV	3.895	-0.01906	-0.26511	6
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	CITY OF IOLA 69KV	24.267	-0.00508	-0.27909	6
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	CLAY CENTER JUNCTION 115KV	22.939	-0.00634	-0.27783	6
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	HUTCHINSON ENERGY CENTER 115KV	120	-0.01512	-0.26905	6
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00308	-0.28109	6
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00293	-0.28124	6
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	LAWRENCE ENERGY CENTER 230KV	230.6614	0.00053	-0.2847	6
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	TECUMSEH ENERGY CENTER 115KV	123.8662	-0.00156	-0.28261	6
WERE	CITY OF WELLINGTON 69KV	2.049999	-0.20539	WERE	CITY OF BURLINGTON 69KV	7.8	0.0451	-0.25049	6
WERE	CITY OF WELLINGTON 69KV	2.049999	-0.20539	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.0451	-0.25049	6
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	CITY OF BURLINGTON 69KV	7.8	0.0451	-0.25957	6
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.0451	-0.25957	6
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	CITY OF BURLINGTON 69KV	7.8	0.0451	-0.25418	6
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.0451	-0.25418	6
WERE	GILL ENERGY CENTER 69KV	118	-0.21164	WERE	CITY OF BURLINGTON 69KV	7.8	0.0451	-0.25674	6
WERE	GILL ENERGY CENTER 69KV	118	-0.21164	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.0451	-0.25674	6
WERE	OXFORD 138KV	3	-0.25228	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00745	-0.24483	6
WERE	OXFORD 138KV	3	-0.25228	WERE	CITY OF GIRARD 69KV	4.789	0.00966	-0.26194	6
WERE	OXFORD 138KV	3	-0.25228	WERE	CITY OF IOLA 69KV	24.267	-0.00508	-0.2472	6
WERE	OXFORD 138KV	3	-0.25228	WERE	CLAY CENTER JUNCTION 115KV	22.939	-0.00634	-0.24594	6
WERE	OXFORD 138KV	3	-0.25228	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00308	-0.2492	6
WERE	OXFORD 138KV	3	-0.25228	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00293	-0.24935	6
WERE	OXFORD 138KV	3	-0.25228	WERE	LAWRENCE ENERGY CENTER 115KV	85	0.00124	-0.25352	6
WERE	OXFORD 138KV	3	-0.25228	WERE	LAWRENCE ENERGY CENTER 230KV	230.6614	0.00053	-0.25281	6
WERE	OXFORD 138KV	3	-0.25228	WERE	TECUMSEH ENERGY CENTER 115KV	123.8662	-0.00156	-0.25072	6
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00745	-0.24021	7
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	BPU - CITY OF MCPHERSON 115KV	135	-0.01232	-0.23534	7
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	CHANUTE 69KV	56.723	-0.01127	-0.23639	7
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	CITY OF ERIE 69KV	23.27	-0.01127	-0.23639	7
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	CITY OF FREDONIA 69KV	3.895	-0.01906	-0.2286	7
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	CLAY CENTER JUNCTION 115KV	22.939	-0.00634	-0.24132	7
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24766	WERE	HUTCHINSON ENERGY CENTER 115KV	120	-0.01512	-0.23254	7
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	CITY OF GIRARD 69KV	4.789	0.00966	-0.22413	7
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	CITY OF IOLA 69KV	24.267	-0.00508	-0.20939	7
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00308	-0.21139	7
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00293	-0.21154	7
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	LAWRENCE ENERGY CENTER 115KV	85	0.00124	-0.21571	7
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	LAWRENCE ENERGY CENTER 230KV	230.6614	0.00053	-0.215	7
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	TECUMSEH ENERGY CENTER 115KV	123.8662	-0.00156	-0.21291	7
WERE	GETTY 69KV	35	-0.19057	WERE	CITY OF BURLINGTON 69KV	7.8	0.0451	-0.23567	7
WERE	GETTY 69KV	35	-0.19057	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.0451	-0.23567	7
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	CITY OF GIRARD 69KV	4.789	0.00966	-0.21874	7
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	LAWRENCE ENERGY CENTER 115KV	85	0.00124	-0.21032	7
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	LAWRENCE ENERGY CENTER 230KV	230.6614	0.00053	-0.20961	7
WERE	GILL ENERGY CENTER 69KV	118	-0.21164	WERE	CITY OF GIRARD 69KV	4.789	0.00966	-0.2213	7
WERE	GILL ENERGY CENTER 69KV	118	-0.21164	WERE	LAWRENCE ENERGY CENTER 115KV	85	0.00124	-0.21288	7
WERE	GILL ENERGY CENTER 69KV	118	-0.21164	WERE	LAWRENCE ENERGY CENTER 230KV	230.6614	0.00053	-0.21217	7
WERE	GILL ENERGY CENTER 69KV	118	-0.21164	WERE	TECUMSEH ENERGY CENTER 115KV	123.8662	-0.00156	-0.21008	7
WERE	OXFORD 138KV	3	-0.25228	WERE	BPU - CITY OF MCPHERSON 115KV	135	-0.01232	-0.23996	7
WERE	OXFORD 138KV	3	-0.25228	WERE	CHANUTE 69KV	56.723	-0.01127	-0.24101	7
WERE	OXFORD 138KV	3	-0.25228	WERE	CITY OF ERIE 69KV	23.27	-0.01127	-0.24101	7
WERE	OXFORD 138KV	3	-0.25228	WERE	CITY OF FREDONIA 69KV	3.895	-0.01906	-0.23322	7
WERE	OXFORD 138KV	3	-0.25228	WERE	HUTCHINSON ENERGY CENTER 115KV	120	-0.01512	-0.23716	7
WERE	CITY OF MULVANE 69KV	7.502	-0.28417	WERE	EVANS ENERGY CENTER 138KV	340	-0.09869	-0.18548	8
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00745	-0.20702	8
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	BPU - CITY OF MCPHERSON 115KV	135	-0.01232	-0.20215	8
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	CHANUTE 69KV	56.723	-0.01127	-0.2032	8
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	CITY OF ERIE 69KV	23.27	-0.01127	-0.2032	8
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	CITY OF FREDONIA 69KV	3.895	-0.01906	-0.19541	8
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	CLAY CENTER JUNCTION 115KV	22.939	-0.00634	-0.20813	8
WERE	CITY OF WINFIELD 69KV	40	-0.21447	WERE	HUTCHINSON ENERGY CENTER 115KV	120	-0.01512	-0.19935	8
WERE	GETTY 69KV	35	-0.19057	WERE	CITY OF GIRARD 69KV	4.789	0.00966	-0.20023	8
WERE	GETTY 69KV	35	-0.19057	WERE	CITY OF IOLA 69KV	24.267	-0.00508	-0.18549	8
WERE	GETTY 69KV	35	-0.19057	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00308	-0.18749	8
WERE	GETTY 69KV	35	-0.19057	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00293	-0.18764	8
WERE	GETTY 69KV	35	-0.19057	WERE	LAWRENCE ENERGY CENTER 115KV	85	0.00124	-0.19181	8
WERE	GETTY 69KV	35	-0.19057	WERE	LAWRENCE ENERGY CENTER 230KV	230.6614	0.00053	-0.1911	8
WERE	GETTY 69KV	35	-0.19057	WERE	TECUMSEH ENERGY CENTER 115KV	123.8662	-0.00156	-0.18901	8
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00745	-0.20163	8
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	BPU - CITY OF MCPHERSON 115KV	135	-0.01232	-0.19676	8
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	CHANUTE 69KV	56.723	-0.01127	-0.19781	8
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	CITY OF ERIE 69KV	23.27	-0.01127	-0.19781	8
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	CITY OF FREDONIA 69KV	3.895	-0.01906	-0.19002	8
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	CITY OF IOLA 69KV	24.267	-0.00508	-0.204	8
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	CLAY CENTER JUNCTION 115KV	22.939	-0.00634	-0.20274	8
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	HUTCHINSON ENERGY CENTER 115KV	120	-0.01512	-0.19396	8
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00308	-0.206	8
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00293	-0.20615	8
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20908	WERE	TECUMSEH ENERGY CENTER 115KV	123.8662	-0.00156	-0.20752	8
WERE	GILL ENERGY CENTER 69KV	118	-0.21164	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00745	-0.20419	8
WERE	GILL ENERGY CENTER 69KV	118	-0.21164	WERE	BPU - CITY OF MCPHERSON 115KV	135	-0.01232	-0.19932	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: 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

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

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

Reservation	Relief Amount	Aggregate Relief Amount
1086655	1.3	1.8
1086656	0.5	1.8

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	-0.2843	WERE	CITY OF BURLINGTON 69KV	7.8	0.04512	-0.32942	5
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.04512	-0.32942	5
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	CITY OF BURLINGTON 69KV	7.8	0.04512	-0.2929	6
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.04512	-0.2929	6
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	CITY OF GIRARD 69KV	4.789	0.00966	-0.29396	6
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	CITY OF IOLA 69KV	24.267	-0.00508	-0.27922	6
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00308	-0.28122	6
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00293	-0.28137	6
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	LAWRENCE ENERGY CENTER 115KV	85	0.00124	-0.28554	6
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	LAWRENCE ENERGY CENTER 230KV	230.6614	0.00053	-0.28483	6
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	TECUMSEH ENERGY CENTER 115KV	123.8662	-0.00156	-0.28274	6
WERE	OXFORD 138KV	3	-0.2524	WERE	CITY OF BURLINGTON 69KV	7.8	0.04512	-0.29752	6
WERE	OXFORD 138KV	3	-0.2524	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.04512	-0.29752	6
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	CITY OF GIRARD 69KV	4.789	0.00966	-0.25744	7
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	CITY OF IOLA 69KV	24.267	-0.00508	-0.2427	7
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00308	-0.2447	7
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00293	-0.24485	7
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	LAWRENCE ENERGY CENTER 115KV	85	0.00124	-0.24902	7
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	LAWRENCE ENERGY CENTER 230KV	230.6614	0.00053	-0.24831	7
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	TECUMSEH ENERGY CENTER 115KV	123.8662	-0.00156	-0.24622	7
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00745	-0.27685	7
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	BPU - CITY OF MCPHERSON 115KV	135	-0.01232	-0.27198	7
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	CHANUTE 69KV	56.723	-0.01127	-0.27303	7
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	CITY OF ERIE 69KV	23.27	-0.01127	-0.27303	7
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	CITY OF FREDONIA 69KV	3.895	-0.01907	-0.26523	7
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	CLAY CENTER JUNCTION 115KV	22.939	-0.00634	-0.27796	7
WERE	CITY OF MULVANE 69KV	7.502	-0.2843	WERE	HUTCHINSON ENERGY CENTER 115KV	120	-0.01512	-0.26918	7
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	CITY OF BURLINGTON 69KV	7.8	0.04512	-0.25969	7
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.04512	-0.25969	7
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	CITY OF BURLINGTON 69KV	7.8	0.04512	-0.2543	7
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.04512	-0.2543	7
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	CITY OF BURLINGTON 69KV	7.8	0.04512	-0.25686	7
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.04512	-0.25686	7
WERE	OXFORD 138KV	3	-0.2524	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00745	-0.24495	7
WERE	OXFORD 138KV	3	-0.2524	WERE	CITY OF GIRARD 69KV	4.789	0.00966	-0.26206	7
WERE	OXFORD 138KV	3	-0.2524	WERE	CITY OF IOLA 69KV	24.267	-0.00508	-0.24732	7
WERE	OXFORD 138KV	3	-0.2524	WERE	CLAY CENTER JUNCTION 115KV	22.939	-0.00634	-0.24606	7
WERE	OXFORD 138KV	3	-0.2524	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00308	-0.24932	7
WERE	OXFORD 138KV	3	-0.2524	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00293	-0.24947	7
WERE	OXFORD 138KV	3	-0.2524	WERE	LAWRENCE ENERGY CENTER 115KV	85	0.00124	-0.25364	7
WERE	OXFORD 138KV	3	-0.2524	WERE	LAWRENCE ENERGY CENTER 230KV	230.6614	0.00053	-0.25293	7
WERE	OXFORD 138KV	3	-0.2524	WERE	TECUMSEH ENERGY CENTER 115KV	123.8662	-0.00156	-0.25084	7
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00745	-0.24033	8
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	BPU - CITY OF MCPHERSON 115KV	135	-0.01232	-0.23546	8
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	CHANUTE 69KV	56.723	-0.01127	-0.23651	8
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	CITY OF ERIE 69KV	23.27	-0.01127	-0.23651	8
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	CITY OF FREDONIA 69KV	3.895	-0.01907	-0.22871	8
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	CLAY CENTER JUNCTION 115KV	22.939	-0.00634	-0.24144	8
WERE	CITY OF AUGUSTA 69KV	7.320001	-0.24778	WERE	HUTCHINSON ENERGY CENTER 115KV	120	-0.01512	-0.23266	8
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	CITY OF GIRARD 69KV	4.789	0.00966	-0.22423	8
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	LAWRENCE ENERGY CENTER 115KV	85	0.00124	-0.21581	8
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	LAWRENCE ENERGY CENTER 230KV	230.6614	0.00053	-0.2151	8
WERE	GETTY 69KV	35	-0.19065	WERE	CITY OF BURLINGTON 69KV	7.8	0.04512	-0.23577	8
WERE	GETTY 69KV	35	-0.19065	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.04512	-0.23577	8
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	CITY OF GIRARD 69KV	4.789	0.00966	-0.21884	8
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	CITY OF GIRARD 69KV	4.789	0.00966	-0.2214	8
WERE	OXFORD 138KV	3	-0.2524	WERE	BPU - CITY OF MCPHERSON 115KV	135	-0.01232	-0.24008	8
WERE	OXFORD 138KV	3	-0.2524	WERE	CHANUTE 69KV	56.723	-0.01127	-0.24113	8
WERE	OXFORD 138KV	3	-0.2524	WERE	CITY OF ERIE 69KV	23.27	-0.01127	-0.24113	8
WERE	OXFORD 138KV	3	-0.2524	WERE	CITY OF FREDONIA 69KV	3.895	-0.01907	-0.23333	8
WERE	OXFORD 138KV	3	-0.2524	WERE	HUTCHINSON ENERGY CENTER 115KV	120	-0.01512	-0.23728	8
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00745	-0.20712	9
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	BPU - CITY OF MCPHERSON 115KV	135	-0.01232	-0.20225	9
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	CHANUTE 69KV	56.723	-0.01127	-0.2033	9
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	CITY OF ERIE 69KV	23.27	-0.01127	-0.2033	9
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	CITY OF FREDONIA 69KV	3.895	-0.01907	-0.1955	9
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	CITY OF IOLA 69KV	24.267	-0.00508	-0.20949	9
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	CLAY CENTER JUNCTION 115KV	22.939	-0.00634	-0.20823	9
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	HUTCHINSON ENERGY CENTER 115KV	120	-0.01512	-0.19945	9
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00308	-0.21149	9
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00293	-0.21164	9
WERE	CITY OF WINFIELD 69KV	40	-0.21457	WERE	TECUMSEH ENERGY CENTER 115KV	123.8662	-0.00156	-0.21301	9
WERE	GETTY 69KV	35	-0.19065	WERE	CITY OF GIRARD 69KV	4.789	0.00966	-0.20031	9
WERE	GETTY 69KV	35	-0.19065	WERE	LAWRENCE ENERGY CENTER 115KV	85	0.00124	-0.19189	9
WERE	GETTY 69KV	35	-0.19065	WERE	LAWRENCE ENERGY CENTER 230KV	230.6614	0.00053	-0.19118	9
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00745	-0.20173	9
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	BPU - CITY OF MCPHERSON 115KV	135	-0.01232	-0.19686	9
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	CHANUTE 69KV	56.723	-0.01127	-0.19791	9
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	CITY OF ERIE 69KV	23.27	-0.01127	-0.19791	9
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	CITY OF IOLA 69KV	24.267	-0.00508	-0.2041	9
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	CLAY CENTER JUNCTION 115KV	22.939	-0.00634	-0.20284	9
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	HUTCHINSON ENERGY CENTER 115KV	120	-0.01512	-0.19406	9
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00308	-0.2061	9
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00293	-0.20625	9
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	LAWRENCE ENERGY CENTER 115KV	85	0.00124	-0.21042	9
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	LAWRENCE ENERGY CENTER 230KV	230.6614	0.00053	-0.20971	9
WERE	GILL ENERGY CENTER 138KV	17.99999	-0.20918	WERE	TECUMSEH ENERGY CENTER 115KV	123.8662	-0.00156	-0.20762	9
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00745	-0.20429	9
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	BPU - CITY OF MCPHERSON 115KV	135	-0.01232	-0.19942	9
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	CHANUTE 69KV	56.723	-0.01127	-0.20047	9
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	CITY OF ERIE 69KV	23.27	-0.01127	-0.20047	9
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	CITY OF FREDONIA 69KV	3.895	-0.01907	-0.19267	9
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	CITY OF IOLA 69KV	24.267	-0.00508	-0.20666	9
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	CLAY CENTER JUNCTION 115KV	22.939	-0.00634	-0.2054	9

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

WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	HUTCHINSON ENERGY CENTER 115KV	120	-0.01512	-0.19662	9
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00308	-0.20866	9
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00293	-0.20881	9
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	LAWRENCE ENERGY CENTER 115KV	85	0.00124	-0.21298	9
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	LAWRENCE ENERGY CENTER 230KV	230.6614	0.00053	-0.21227	9
WERE	GILL ENERGY CENTER 69KV	118	-0.21174	WERE	TECUMSEH ENERGY CENTER 115KV	123.8662	-0.00156	-0.21018	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: 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: 523105225215220952185122O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	5.3	5.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	CARLSBAD 69KV	18	-0.26518	SPS	CUNNINGHAM 115KV	71	0.10078	-0.36596	14
SPS	CARLSBAD 69KV	18	-0.26518	SPS	CUNNINGHAM 115KV	110	0.10078	-0.36596	14
SPS	CARLSBAD 69KV	18	-0.26518	SPS	CUNNINGHAM 230KV	306	0.10412	-0.3693	14
SPS	CARLSBAD 69KV	18	-0.26518	SPS	MADOX 115KV	183	0.09795	-0.36313	15
SPS	CARLSBAD 69KV	18	-0.26518	SPS	MUSTANG 115KV	300	0.05555	-0.32073	16
SPS	CARLSBAD 69KV	18	-0.26518	SPS	MUSTG5 118.0 230KV	360	0.04864	-0.31382	17
SPS	CARLSBAD 69KV	18	-0.26518	SPS	JONES 230KV	486	0.01408	-0.27926	19
SPS	CARLSBAD 69KV	18	-0.26518	SPS	LP-BRND2 69KV	176.1343	0.01314	-0.27832	19
SPS	CARLSBAD 69KV	18	-0.26518	SPS	BLACKHAWK 115KV	220	-0.00345	-0.26173	20
SPS	CARLSBAD 69KV	18	-0.26518	SPS	CZ 69KV	39	-0.00318	-0.262	20
SPS	CARLSBAD 69KV	18	-0.26518	SPS	HARRINGTON 230KV	1066	-0.00354	-0.26164	20
SPS	CARLSBAD 69KV	18	-0.26518	SPS	HUBRCO2 69KV	11	-0.00345	-0.26173	20
SPS	CARLSBAD 69KV	18	-0.26518	SPS	MOORE COUNTY 115KV	48	-0.0036	-0.26158	20
SPS	CARLSBAD 69KV	18	-0.26518	SPS	NICHOLS 115KV	213	-0.00345	-0.26173	20
SPS	CARLSBAD 69KV	18	-0.26518	SPS	NICHOLS 230KV	244	-0.0035	-0.26168	20
SPS	CARLSBAD 69KV	18	-0.26518	SPS	PLANTX 115KV	253	-0.00574	-0.25944	20
SPS	CARLSBAD 69KV	18	-0.26518	SPS	SIDRCH 69KV	20	-0.00345	-0.26173	20
SPS	CARLSBAD 69KV	18	-0.26518	SPS	STEER WATER 115KV	9.818184	-0.00332	-0.26186	20
SPS	CARLSBAD 69KV	18	-0.26518	SPS	WILWIND 230KV	19.63637	-0.00498	-0.2602	20
SPS	CARLSBAD 69KV	18	-0.26518	SPS	PLANTX 230KV	189	-0.00895	-0.25623	21
SPS	CARLSBAD 69KV	18	-0.26518	SPS	TOLK 230KV	1029.744	-0.01279	-0.25239	21
SPS	CARLSBAD 69KV	18	-0.26518	SPS	CAPROCK 115KV	9.818184	-0.02589	-0.23929	22
SPS	CARLSBAD 69KV	18	-0.26518	SPS	SAN JUAN 230KV	14.72727	-0.06407	-0.20111	26
SPS	TUCUMCARI 115KV	15	-0.02589	SPS	CUNNINGHAM 230KV	306	0.10412	-0.13001	41
SPS	TUCUMCARI 115KV	15	-0.02589	SPS	CUNNINGHAM 115KV	71	0.10078	-0.12667	42
SPS	TUCUMCARI 115KV	15	-0.02589	SPS	CUNNINGHAM 115KV	110	0.10078	-0.12667	42
SPS	TUCUMCARI 115KV	15	-0.02589	SPS	MADOX 115KV	183	0.09795	-0.12384	43
SPS	TOLK 230KV	50.25635	-0.01279	SPS	CUNNINGHAM 230KV	306	0.10412	-0.11691	45
SPS	TOLK 230KV	50.25635	-0.01279	SPS	CUNNINGHAM 115KV	71	0.10078	-0.11357	46
SPS	TOLK 230KV	50.25635	-0.01279	SPS	CUNNINGHAM 115KV	110	0.10078	-0.11357	46
SPS	TOLK 230KV	50.25635	-0.01279	SPS	MADOX 115KV	183	0.09795	-0.11074	48
SPS	RIVERVIEW 69KV	23	-0.00345	SPS	CUNNINGHAM 230KV	306	0.10412	-0.10757	49
SPS	RIVERVIEW 69KV	23	-0.00345	SPS	CUNNINGHAM 115KV	71	0.10078	-0.10423	51
SPS	RIVERVIEW 69KV	23	-0.00345	SPS	CUNNINGHAM 115KV	110	0.10078	-0.10423	51
SPS	RIVERVIEW 69KV	23	-0.00345	SPS	MADOX 115KV	183	0.09795	-0.1014	52
SPS	LP-BRND2 69KV	55.86573	0.01314	SPS	CUNNINGHAM 230KV	306	0.10412	-0.09098	58
SPS	LP-BRND2 69KV	55.86573	0.01314	SPS	CUNNINGHAM 115KV	110	0.10078	-0.08764	60
SPS	LP-BRND2 69KV	55.86573	0.01314	SPS	CUNNINGHAM 115KV	71	0.10078	-0.08764	60
SPS	LP-BRND2 69KV	55.86573	0.01314	SPS	MADOX 115KV	183	0.09795	-0.08481	62
SPS	TOLK 230KV	50.25635	-0.01279	SPS	MUSTANG 115KV	300	0.05555	-0.06834	77
SPS	TOLK 230KV	50.25635	-0.01279	SPS	MUSTG5 118.0 230KV	360	0.04864	-0.06143	86
SPS	LP-BRND2 69KV	55.86573	0.01314	SPS	MUSTANG 115KV	300	0.05555	-0.04241	124
SPS	LP-BRND2 69KV	55.86573	0.01314	SPS	MUSTG5 118.0 230KV	360	0.04864	-0.0355	148

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

Upgrade: Seven Rivers to Pecos to Potash Junction 230kV
Limiting Facility: CARLSBAD PLANT - POTASH JUNCTION INTERCHANGE 115KV CKT 1
Direction: To->From
Line Outage: CUNNINGHAM STATION - EDDY COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 523105225215220952185122O8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	0.7	0.7

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	CUNNINGHAM 115KV	71	0.10063	-0.3659	2
SPS	CARLSBAD 69KV	18	-0.26527	SPS	CUNNINGHAM 115KV	110	0.10063	-0.3659	2
SPS	CARLSBAD 69KV	18	-0.26527	SPS	CUNNINGHAM 230KV	306	0.10397	-0.36924	2
SPS	CARLSBAD 69KV	18	-0.26527	SPS	JONES 230KV	486	0.01371	-0.27898	2
SPS	CARLSBAD 69KV	18	-0.26527	SPS	LP-BRND2 69KV	218.7842	0.01279	-0.27806	2
SPS	CARLSBAD 69KV	18	-0.26527	SPS	MADOX 115KV	183	0.0978	-0.36307	2
SPS	CARLSBAD 69KV	18	-0.26527	SPS	MUSTANG 115KV	300	0.05538	-0.32065	2
SPS	CARLSBAD 69KV	18	-0.26527	SPS	MUSTG5 118.0 230KV	360	0.04848	-0.31375	2
SPS	CARLSBAD 69KV	18	-0.26527	SPS	BLACKHAWK 115KV	220	-0.00338	-0.26189	3
SPS	CARLSBAD 69KV	18	-0.26527	SPS	CAPROCK 115KV	18.90909	-0.02589	-0.23938	3
SPS	CARLSBAD 69KV	18	-0.26527	SPS	CZ 69KV	39	-0.0031	-0.26217	3
SPS	CARLSBAD 69KV	18	-0.26527	SPS	HARRINGTON 230KV	1066	-0.00347	-0.2618	3
SPS	CARLSBAD 69KV	18	-0.26527	SPS	HUBRCO2 69KV	11	-0.00338	-0.26189	3
SPS	CARLSBAD 69KV	18	-0.26527	SPS	MOORE COUNTY 115KV	48	-0.00354	-0.26173	3
SPS	CARLSBAD 69KV	18	-0.26527	SPS	NICHOLS 115KV	213	-0.00338	-0.26189	3
SPS	CARLSBAD 69KV	18	-0.26527	SPS	NICHOLS 230KV	244	-0.00343	-0.26184	3
SPS	CARLSBAD 69KV	18	-0.26527	SPS	PLANTX 115KV	253	-0.00558	-0.25969	3
SPS	CARLSBAD 69KV	18	-0.26527	SPS	PLANTX 230KV	189	-0.00895	-0.25632	3

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

SPS	CARLSBAD 69KV	18	-0.26527	SPS	SAN JUAN 230KV	28.36363	-0.0641	-0.20117	3
SPS	CARLSBAD 69KV	18	-0.26527	SPS	SIDRCH 69KV	20	-0.00338	-0.26189	3
SPS	CARLSBAD 69KV	18	-0.26527	SPS	STEER WATER 115KV	18.90909	-0.00324	-0.26203	3
SPS	CARLSBAD 69KV	18	-0.26527	SPS	TOLK 230KV	1029.886	-0.0128	-0.25247	3
SPS	CARLSBAD 69KV	18	-0.26527	SPS	WILWIND 230KV	37.81818	-0.00493	-0.26034	3
SPS	TUCUMCARI 115KV	15	-0.02589	SPS	CUNNINGHAM 115KV	71	0.10063	-0.12652	5
SPS	TUCUMCARI 115KV	15	-0.02589	SPS	CUNNINGHAM 115KV	110	0.10063	-0.12652	5
SPS	TUCUMCARI 115KV	15	-0.02589	SPS	CUNNINGHAM 230KV	306	0.10397	-0.12986	5
SPS	TUCUMCARI 115KV	15	-0.02589	SPS	MADOX 115KV	183	0.0978	-0.12369	5
SPS	RIVERVIEW 69KV	23	-0.00338	SPS	CUNNINGHAM 115KV	71	0.10063	-0.10401	6
SPS	RIVERVIEW 69KV	23	-0.00338	SPS	CUNNINGHAM 115KV	110	0.10063	-0.10401	6
SPS	RIVERVIEW 69KV	23	-0.00338	SPS	CUNNINGHAM 230KV	306	0.10397	-0.10735	6
SPS	TOLK 230KV	50.11371	-0.0128	SPS	CUNNINGHAM 115KV	110	0.10063	-0.11343	6
SPS	TOLK 230KV	50.11371	-0.0128	SPS	CUNNINGHAM 115KV	71	0.10063	-0.11343	6
SPS	TOLK 230KV	50.11371	-0.0128	SPS	CUNNINGHAM 230KV	306	0.10397	-0.11677	6
SPS	TOLK 230KV	50.11371	-0.0128	SPS	MADOX 115KV	183	0.0978	-0.1106	6
SPS	LP-BRND2 69KV	13.21582	0.01279	SPS	CUNNINGHAM 230KV	306	0.10397	-0.09118	7
SPS	RIVERVIEW 69KV	23	-0.00338	SPS	MADOX 115KV	183	0.0978	-0.10118	7
SPS	LP-BRND2 69KV	13.21582	0.01279	SPS	CUNNINGHAM 115KV	110	0.10063	-0.08784	8
SPS	LP-BRND2 69KV	13.21582	0.01279	SPS	CUNNINGHAM 115KV	71	0.10063	-0.08784	8
SPS	LP-BRND2 69KV	13.21582	0.01279	SPS	MADOX 115KV	183	0.0978	-0.08501	8
SPS	TUCUMCARI 115KV	15	-0.02589	SPS	MUSTANG 115KV	300	0.05538	-0.08127	8
SPS	TUCUMCARI 115KV	15	-0.02589	SPS	MUSTG5 118.0 230KV	360	0.04848	-0.07437	9
SPS	TOLK 230KV	50.11371	-0.0128	SPS	MUSTANG 115KV	300	0.05538	-0.06818	10
SPS	RIVERVIEW 69KV	23	-0.00338	SPS	MUSTANG 115KV	300	0.05538	-0.05876	11
SPS	TOLK 230KV	50.11371	-0.0128	SPS	MUSTG5 118.0 230KV	360	0.04848	-0.06128	11
SPS	RIVERVIEW 69KV	23	-0.00338	SPS	MUSTG5 118.0 230KV	360	0.04848	-0.05186	13
SPS	LP-BRND2 69KV	13.21582	0.01279	SPS	MUSTANG 115KV	300	0.05538	-0.04259	16
SPS	TUCUMCARI 115KV	15	-0.02589	SPS	JONES 230KV	486	0.01371	-0.0396	17
SPS	TUCUMCARI 115KV	15	-0.02589	SPS	LP-BRND2 69KV	218.7842	0.01279	-0.03868	17
SPS	LP-BRND2 69KV	13.21582	0.01279	SPS	MUSTG5 118.0 230KV	360	0.04848	-0.03569	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: Seven Rivers to Pecos to Potash Junction 230kV
Limiting Facility: CARLSBAD PLANT - POTASH JUNCTION INTERCHANGE 115KV CKT 1
Direction: To->From
Line Outage: CARLSBAD PLANT - PCA INTERCHANGE 115KV CKT 1
Flowgate: 523105225215231052240122O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	0.1	0.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
SPS	CARLSBAD 69KV	18	-0.40491	SPS	BLACKHAWK 115KV	220	-0.00272	-0.40219	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	CAPROCK 115KV	9.818184	-0.02143	-0.38348	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	CUNNINGHAM 115KV	71	0.10031	-0.50522	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	CUNNINGHAM 115KV	110	0.10031	-0.50522	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	CUNNINGHAM 230KV	306	0.07077	-0.47568	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	CZ 69KV	39	-0.00251	-0.4024	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	HARRINGTON 230KV	1066	-0.00279	-0.40212	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	HUBRCO2 69KV	11	-0.00273	-0.40218	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	JONES 230KV	486	0.01096	-0.41587	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	LP-BRND2 69KV	176.1343	0.01028	-0.41519	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	MADOX 115KV	183	0.09287	-0.49778	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	MOORE COUNTY 115KV	48	-0.00285	-0.40206	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	MUSTANG 115KV	300	0.04785	-0.45276	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	MUSTG5 118.0 230KV	360	0.03865	-0.44356	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	NICHOLS 115KV	213	-0.00273	-0.40218	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	NICHOLS 230KV	244	-0.00276	-0.40215	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	PLANTX 115KV	253	-0.00445	-0.40046	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	PLANTX 230KV	189	-0.007	-0.39791	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	SAN JUAN 230KV	14.72727	-0.05439	-0.35052	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	SIDRCH 69KV	20	-0.00273	-0.40218	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	STEER WATER 115KV	9.818184	-0.00262	-0.40229	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	TOLK 230KV	1029.744	-0.01001	-0.3949	0
SPS	CARLSBAD 69KV	18	-0.40491	SPS	WILWIND 230KV	19.63637	-0.00394	-0.40097	0
SPS	LP-BRND2 69KV	55.86573	0.01028	SPS	CUNNINGHAM 115KV	71	0.10031	-0.09003	1
SPS	LP-BRND2 69KV	55.86573	0.01028	SPS	CUNNINGHAM 115KV	110	0.10031	-0.09003	1
SPS	LP-BRND2 69KV	55.86573	0.01028	SPS	CUNNINGHAM 230KV	306	0.07077	-0.06049	1
SPS	LP-BRND2 69KV	55.86573	0.01028	SPS	MADOX 115KV	183	0.09287	-0.08259	1
SPS	RIVERVIEW 69KV	23	-0.00273	SPS	CUNNINGHAM 115KV	110	0.10031	-0.10304	1
SPS	RIVERVIEW 69KV	23	-0.00273	SPS	CUNNINGHAM 115KV	71	0.10031	-0.10304	1
SPS	RIVERVIEW 69KV	23	-0.00273	SPS	CUNNINGHAM 230KV	306	0.07077	-0.0735	1
SPS	RIVERVIEW 69KV	23	-0.00273	SPS	MADOX 115KV	183	0.09287	-0.0956	1
SPS	RIVERVIEW 69KV	23	-0.00273	SPS	MUSTANG 115KV	300	0.04785	-0.05058	1
SPS	TOLK 230KV	50.25635	-0.01001	SPS	CUNNINGHAM 115KV	71	0.10031	-0.11032	1
SPS	TOLK 230KV	50.25635	-0.01001	SPS	CUNNINGHAM 115KV	110	0.10031	-0.11032	1
SPS	TOLK 230KV	50.25635	-0.01001	SPS	CUNNINGHAM 230KV	306	0.07077	-0.08078	1
SPS	TOLK 230KV	50.25635	-0.01001	SPS	MADOX 115KV	183	0.09287	-0.10288	1
SPS	TOLK 230KV	50.25635	-0.01001	SPS	MUSTANG 115KV	300	0.04785	-0.05786	1
SPS	TOLK 230KV	50.25635	-0.01001	SPS	MUSTG5 118.0 230KV	360	0.03865	-0.04866	1
SPS	TUCUMCARI 115KV	15	-0.02143	SPS	CUNNINGHAM 115KV	71	0.10031	-0.12174	1
SPS	TUCUMCARI 115KV	15	-0.02143	SPS	CUNNINGHAM 115KV	110	0.10031	-0.12174	1
SPS	TUCUMCARI 115KV	15	-0.02143	SPS	CUNNINGHAM 230KV	306	0.07077	-0.0922	1
SPS	TUCUMCARI 115KV	15	-0.02143	SPS	MADOX 115KV	183	0.09287	-0.1143	1
SPS	TUCUMCARI 115KV	15	-0.02143	SPS	MUSTANG 115KV	300	0.04785	-0.06928	1
SPS	TUCUMCARI 115KV	15	-0.02143	SPS	MUSTG5 118.0 230KV	360	0.03865	-0.06008	1
SPS	LP-BRND2 69KV	55.86573	0.01028	SPS	MUSTANG 115KV	300	0.04785	-0.03757	2
SPS	RIVERVIEW 69KV	23	-0.00273	SPS	MUSTG5 118.0 230KV	360	0.03865	-0.04138	2
SPS	TUCUMCARI 115KV	15	-0.02143	SPS	JONES 230KV	486	0.01096	-0.03239	2
SPS	TUCUMCARI 115KV	15	-0.02143	SPS	LP-BRND2 69KV	176.1343	0.01028	-0.03171	2

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

Upgrade: Wallace Lake - RedPoint 138kV and SW SHREVEPORT EXPANSION

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

Limiting Facility: LINWOOD - MCWILLIE STREET 138KV CKT 1
Direction: From->To
Line Outage: HARTS ISLAND - SOUTH SHREVEPORT 138KV CKT 1
Flowgate: 534225342815341453446144O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	0.6	9.6
1087745	9.0	9.6

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	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	COMANCHE 138KV	160	-0.00563	-0.35514	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	COMANCHE 69KV	63	-0.00565	-0.35512	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	FITZHUGH 161KV	126	-0.00242	-0.35835	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	FLINT CREEK 161KV	420	-0.00352	-0.35725	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	KNOXLEE 138KV	225	-0.00927	-0.3515	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	L&D13 69KV	11	-0.0028	-0.35797	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	NORTHEASTERN STATION 138KV	405	-0.00392	-0.35685	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	NORTHEASTERN STATION 138KV	95	-0.00392	-0.35685	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	NORTHEASTERN STATION 345KV	645	-0.00391	-0.35686	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	OEC 345KV	269	-0.00411	-0.35666	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	RIVERSIDE STATION 138KV	646	-0.00425	-0.35652	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	SOUTHWESTERN STATION 138KV	260	-0.00558	-0.35519	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	TULSA POWER STATION 138KV	111	-0.00421	-0.35656	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	TULSA POWER STATION 138KV	75	-0.00421	-0.35656	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	WEATHERFORD 34KV	148	-0.00528	-0.35549	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	WELEETKA 138KV	70	-0.00512	-0.35565	27
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	EASTMAN 138KV	355	-0.01316	-0.34761	28
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	LEBROCK 345KV	515	-0.01836	-0.34241	28
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	NARROWS 69KV	22	-0.01322	-0.34755	28
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	WELSH 345KV	990	-0.01278	-0.34799	28
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	WILKES 345KV	311	-0.01661	-0.34416	28
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	PIRKEY GENERATION 138KV	475	-0.02464	-0.33613	29
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	WILKES 138KV	299.4199	-0.0287	-0.33207	29
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	COGENTRIX 345KV	200	-0.00424	-0.20772	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	COMANCHE 138KV	160	-0.00563	-0.20633	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	COMANCHE 69KV	63	-0.00565	-0.20631	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	FITZHUGH 161KV	126	-0.00242	-0.20954	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	FLINT CREEK 161KV	420	-0.00352	-0.20844	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	NORTHEASTERN STATION 138KV	405	-0.00392	-0.20804	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	NORTHEASTERN STATION 138KV	95	-0.00392	-0.20804	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	NORTHEASTERN STATION 345KV	645	-0.00391	-0.20805	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	OEC 345KV	269	-0.00411	-0.20785	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	RIVERSIDE STATION 138KV	646	-0.00425	-0.20771	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	SOUTHWESTERN STATION 138KV	260	-0.00558	-0.20638	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	TULSA POWER STATION 138KV	75	-0.00421	-0.20775	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	TULSA POWER STATION 138KV	111	-0.00421	-0.20775	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	WEATHERFORD 34KV	148	-0.00528	-0.20668	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	WELEETKA 138KV	70	-0.00512	-0.20684	46
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	KNOXLEE 138KV	225	-0.00927	-0.20269	47
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	EASTMAN 138KV	355	-0.01316	-0.1988	48
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	NARROWS 69KV	22	-0.01322	-0.19874	48
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	WELSH 345KV	990	-0.01278	-0.19918	48
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	LEBROCK 345KV	515	-0.01836	-0.1936	49
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	WILKES 345KV	311	-0.01661	-0.19535	49
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	PIRKEY GENERATION 138KV	475	-0.02464	-0.18732	51
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	WILKES 138KV	299.4199	-0.0287	-0.18326	52
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	LIEBERMAN 138KV	73.99999	-0.21196	-0.14881	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: Wallace Lake - RedPoint 138kV and SW SHREVEPORT EXPANSION
Limiting Facility: LINWOOD - MCWILLIE STREET 138KV CKT 1
Direction: From->To
Line Outage: HARTS ISLAND - SOUTH SHREVEPORT 138KV CKT 1
Flowgate: 534225342815341453446144O8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	0.6	15.7
1087745	9.0	15.7
1087757	6.1	15.7

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	-0.36077	AEPW	COGENTRIX 345KV	200	-0.00424	-0.35653	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	COMANCHE 138KV	160	-0.00562	-0.35515	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	COMANCHE 69KV	63	-0.00564	-0.35513	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	FITZHUGH 161KV	126	-0.00242	-0.35835	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	FLINT CREEK 161KV	428	-0.00352	-0.35725	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	NORTHEASTERN STATION 138KV	405	-0.00392	-0.35685	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	NORTHEASTERN STATION 138KV	95	-0.00392	-0.35685	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	NORTHEASTERN STATION 345KV	645	-0.00391	-0.35686	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	OEC 345KV	219	-0.00411	-0.35666	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	RIVERSIDE STATION 138KV	482	-0.00425	-0.35652	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	SOUTHWESTERN STATION 138KV	249.5	-0.00558	-0.35519	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	SOUTHWESTERN STATION 138KV	168	-0.00558	-0.35519	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	TULSA POWER STATION 138KV	75	-0.00421	-0.35656	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	TULSA POWER STATION 138KV	77	-0.00421	-0.35656	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	WEATHERFORD 34KV	148	-0.00529	-0.35548	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	WELEETKA 138KV	84	-0.00512	-0.35565	44
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	EASTMAN 138KV	355	-0.01316	-0.34761	45
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	KNOXLEE 138KV	164	-0.00927	-0.3515	45
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	NARROWS 69KV	22	-0.01322	-0.34755	45
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	WELSH 345KV	1044	-0.01278	-0.34799	45
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	LEBROCK 345KV	465	-0.01836	-0.34241	46
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	WILKES 345KV	311	-0.01661	-0.34416	46

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

AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	PIRKEY GENERATION 138KV	490	-0.02464	-0.33613	47
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	WILKES 138KV	222.4514	-0.02869	-0.33208	47
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	COGENTRIX 345KV	200	-0.00424	-0.20772	75
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	FITZHUGH 161KV	126	-0.00242	-0.20954	75
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	FLINT CREEK 161KV	428	-0.00352	-0.20844	75
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	NORTHEASTERN STATION 138KV	95	-0.00392	-0.20804	75
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	NORTHEASTERN STATION 138KV	405	-0.00392	-0.20804	75
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	NORTHEASTERN STATION 345KV	645	-0.00391	-0.20805	75
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	OEC 345KV	219	-0.00411	-0.20785	75
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	RIVERSIDE STATION 138KV	482	-0.00425	-0.20771	75
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	TULSA POWER STATION 138KV	77	-0.00421	-0.20775	75
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	TULSA POWER STATION 138KV	75	-0.00421	-0.20775	75
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	COMANCHE 138KV	160	-0.00562	-0.20634	76
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	COMANCHE 69KV	63	-0.00564	-0.20632	76
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	SOUTHWESTERN STATION 138KV	168	-0.00558	-0.20638	76
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	SOUTHWESTERN STATION 138KV	249.5	-0.00558	-0.20638	76
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	WEATHERFORD 34KV	148	-0.00529	-0.20667	76
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	WELEETKA 138KV	84	-0.00512	-0.20684	76
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	KNOXLEE 138KV	164	-0.00927	-0.20269	77
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	EASTMAN 138KV	355	-0.01316	-0.1988	79
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	WELSH 345KV	1044	-0.01278	-0.19918	79
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	WILKES 345KV	311	-0.01661	-0.19535	80
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	LEBROCK 345KV	465	-0.01836	-0.1936	81
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	PIRKEY GENERATION 138KV	490	-0.02464	-0.18732	84
AEPW	LIEBERMAN 138KV	154	-0.21196	AEPW	WILKES 138KV	222.4514	-0.02869	-0.18327	86
AEPW	ARSENAL HILL 69KV	99	-0.36077	AEPW	LIEBERMAN 138KV	73.99999	-0.21196	-0.14881	105

Maximum Decrement and Maximum Increment were determine from the 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: HOYT - JEFFERY ENERGY CENTER 345KV CKT 1
Direction: To->From
Line Outage: JEFFERY ENERGY CENTER - MORRIS COUNTY 345KV CKT 1
Flowgate: 5676556766156766567701410 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090325	0.8	1.5
1090327	0.4	1.5
1090922	0.4	1.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	HOLTON 115KV	19.8	-0.0829	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.67938	2
WERE	BROWN COUNTY 115KV	5.5	-0.00866	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.51199	3
WERE	BROWN COUNTY 115KV	5.5	-0.00866	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.60514	3
WERE	CHANUTE 69KV	32.163	0.01023	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.4931	3
WERE	CHANUTE 69KV	32.163	0.01023	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.58625	3
WERE	CITY OF AUGUSTA 69KV	7.320001	0.03332	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.47001	3
WERE	CITY OF AUGUSTA 69KV	7.320001	0.03332	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.56316	3
WERE	CITY OF BURLINGTON 69KV	4.7	0.01691	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.48642	3
WERE	CITY OF BURLINGTON 69KV	4.7	0.01691	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.57957	3
WERE	CITY OF ERIE 69KV	3.155999	0.01023	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.4931	3
WERE	CITY OF ERIE 69KV	3.155999	0.01023	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.58625	3
WERE	CITY OF FREDONIA 69KV	6.697999	0.01335	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.48998	3
WERE	CITY OF FREDONIA 69KV	6.697999	0.01335	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.58313	3
WERE	CITY OF GIRARD 69KV	6.108	0.00744	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.49589	3
WERE	CITY OF GIRARD 69KV	6.108	0.00744	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.58904	3
WERE	CITY OF IOLA 69KV	13.157	0.00776	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.49557	3
WERE	CITY OF IOLA 69KV	13.157	0.00776	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.58872	3
WERE	CITY OF MULVANE 69KV	7.5	0.03809	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.46524	3
WERE	CITY OF MULVANE 69KV	7.5	0.03809	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.55839	3
WERE	CITY OF NEODESHA 69KV	4.5	0.01315	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.49018	3
WERE	CITY OF NEODESHA 69KV	4.5	0.01315	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.58333	3
WERE	CITY OF OSAGE CITY 115KV	8.85	0.09343	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.50305	3
WERE	CITY OF WELLINGTON 69KV	2.049999	0.03642	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.46691	3
WERE	CITY OF WELLINGTON 69KV	2.049999	0.03642	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.56006	3
WERE	CITY OF WINFIELD 69KV	40	0.03311	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.47022	3
WERE	CITY OF WINFIELD 69KV	40	0.03311	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.56337	3
WERE	EVANS ENERGY CENTER 138KV	162	0.04241	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.46092	3
WERE	EVANS ENERGY CENTER 138KV	162	0.04241	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.55407	3
WERE	GETTY 69KV	35	0.03191	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.47142	3
WERE	GETTY 69KV	35	0.03191	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.56457	3
WERE	GILL ENERGY CENTER 138KV	2	0.04308	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.46025	3
WERE	GILL ENERGY CENTER 138KV	2	0.04308	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.5534	3
WERE	GILL ENERGY CENTER 69KV	24.95801	0.04165	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.46168	3
WERE	GILL ENERGY CENTER 69KV	24.95801	0.04165	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.55483	3
WERE	HOLTON 115KV	19.8	-0.0829	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.58623	3
WERE	LATHAM1234.0 345KV	150	0.02584	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.47749	3
WERE	LATHAM1234.0 345KV	150	0.02584	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.57064	3
WERE	LAWRENCE ENERGY CENTER 115KV	8.000004	0.03767	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.46566	3
WERE	LAWRENCE ENERGY CENTER 115KV	8.000004	0.03767	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.55881	3
WERE	LAWRENCE ENERGY CENTER 230KV	44.38809	0.06308	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.44025	3
WERE	LAWRENCE ENERGY CENTER 230KV	44.38809	0.06308	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.5334	3
WERE	NEOSHO ENERGY CENTER 138KV	47	0.01047	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.49286	3
WERE	NEOSHO ENERGY CENTER 138KV	47	0.01047	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.58601	3
WERE	OXFORD 138KV	3	0.03402	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.46931	3
WERE	OXFORD 138KV	3	0.03402	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.56246	3
WERE	SOUTH SENECA 115KV	16.7	0.02293	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.4804	3
WERE	SOUTH SENECA 115KV	16.7	0.02293	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.57355	3
WERE	TECUMSEH ENERGY CENTER 115KV	3	0.05718	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.44615	3
WERE	TECUMSEH ENERGY CENTER 115KV	3	0.05718	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.5393	3
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.0558	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.44753	3
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.0558	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.54068	3
WERE	CITY OF OSAGE CITY 115KV	8.85	0.09343	WERE	JEFFREY ENERGY CENTER 230KV	470	0.50333	-0.4099	4
WERE	HOLTON 115KV	19.8	-0.0829	WERE	ABILENE ENERGY CENTER 115KV	40	0.29517	-0.37807	4
WERE	HOLTON 115KV	19.8	-0.0829	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.30004	-0.38294	4
WERE	HOLTON 115KV	19.8	-0.0829	WERE	CLAY CENTER JUNCTION 115KV	21.056	0.27892	-0.36182	4
WERE	HOLTON 115KV	19.8	-0.0829	WERE	HUTCHINSON ENERGY CENTER 115KV	210	0.27591	-0.35881	4
WERE	HOLTON 115KV	19.8	-0.0829	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27584	-0.35874	4

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

WERE	HOLTON 115KV	19.8	-0.0829	WERE	SMOKYHIL 230 230KV	26	0.30922	-0.39212	4
WERE	ST JOHN 115KV	7.5	0.20965	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.38683	4
WERE	ABILENE ENERGY CENTER 115KV	5.999996	0.29517	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.30131	5
WERE	BPU - CITY OF MCPHERSON 115KV	39	0.30004	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.29644	5
WERE	BROWN COUNTY 115KV	5.5	-0.00866	WERE	ABILENE ENERGY CENTER 115KV	40	0.29517	-0.30383	5
WERE	BROWN COUNTY 115KV	5.5	-0.00866	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.30004	-0.3087	5
WERE	BROWN COUNTY 115KV	5.5	-0.00866	WERE	CLAY CENTER JUNCTION 115KV	21.056	0.27892	-0.28758	5
WERE	BROWN COUNTY 115KV	5.5	-0.00866	WERE	HUTCHINSON ENERGY CENTER 115KV	210	0.27591	-0.28457	5
WERE	BROWN COUNTY 115KV	5.5	-0.00866	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27584	-0.2845	5
WERE	BROWN COUNTY 115KV	5.5	-0.00866	WERE	SMOKYHIL 230 230KV	26	0.30922	-0.31788	5
WERE	CHANUTE 69KV	32.163	0.01023	WERE	ABILENE ENERGY CENTER 115KV	40	0.29517	-0.28494	5
WERE	CHANUTE 69KV	32.163	0.01023	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.30004	-0.28981	5
WERE	CHANUTE 69KV	32.163	0.01023	WERE	SMOKYHIL 230 230KV	26	0.30922	-0.29899	5
WERE	CITY OF AUGUSTA 69KV	7.320001	0.03332	WERE	SMOKYHIL 230 230KV	26	0.30922	-0.2759	5
WERE	CITY OF BURLINGTON 69KV	4.7	0.01691	WERE	ABILENE ENERGY CENTER 115KV	40	0.29517	-0.27826	5
WERE	CITY OF BURLINGTON 69KV	4.7	0.01691	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.30004	-0.28313	5
WERE	CITY OF BURLINGTON 69KV	4.7	0.01691	WERE	SMOKYHIL 230 230KV	26	0.30922	-0.29231	5
WERE	CITY OF ERIE 69KV	3.155999	0.01023	WERE	ABILENE ENERGY CENTER 115KV	40	0.29517	-0.28494	5
WERE	CITY OF ERIE 69KV	3.155999	0.01023	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.30004	-0.28981	5
WERE	CITY OF ERIE 69KV	3.155999	0.01023	WERE	SMOKYHIL 230 230KV	26	0.30922	-0.29899	5
WERE	CITY OF FREDONIA 69KV	6.697999	0.01335	WERE	ABILENE ENERGY CENTER 115KV	40	0.29517	-0.28182	5
WERE	CITY OF FREDONIA 69KV	6.697999	0.01335	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.30004	-0.28669	5
WERE	CITY OF FREDONIA 69KV	6.697999	0.01335	WERE	SMOKYHIL 230 230KV	26	0.30922	-0.29587	5
WERE	CITY OF GIRARD 69KV	6.108	0.00744	WERE	ABILENE ENERGY CENTER 115KV	40	0.29517	-0.28773	5
WERE	CITY OF GIRARD 69KV	6.108	0.00744	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.30004	-0.2926	5
WERE	CITY OF GIRARD 69KV	6.108	0.00744	WERE	SMOKYHIL 230 230KV	26	0.30922	-0.30178	5
WERE	CITY OF IOLA 69KV	13.157	0.00776	WERE	ABILENE ENERGY CENTER 115KV	40	0.29517	-0.28741	5
WERE	CITY OF IOLA 69KV	13.157	0.00776	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.30004	-0.29228	5
WERE	CITY OF IOLA 69KV	13.157	0.00776	WERE	SMOKYHIL 230 230KV	26	0.30922	-0.30146	5
WERE	CITY OF NEODESHA 69KV	4.5	0.01315	WERE	ABILENE ENERGY CENTER 115KV	40	0.29517	-0.28202	5
WERE	CITY OF NEODESHA 69KV	4.5	0.01315	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.30004	-0.28689	5
WERE	CITY OF NEODESHA 69KV	4.5	0.01315	WERE	SMOKYHIL 230 230KV	26	0.30922	-0.29607	5
WERE	CITY OF WINFIELD 69KV	40	0.03311	WERE	SMOKYHIL 230 230KV	26	0.30922	-0.27611	5
WERE	CLAY CENTER JUNCTION 115KV	17.044	0.27892	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.31756	5
WERE	GETTY 69KV	35	0.03191	WERE	SMOKYHIL 230 230KV	26	0.30922	-0.27731	5
WERE	HUTCHINSON ENERGY CENTER 115KV	133	0.27591	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.32057	5
WERE	HUTCHINSON ENERGY CENTER 69KV	12	0.27584	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.32064	5
WERE	LATHAM1234.0 345KV	150	0.02584	WERE	SMOKYHIL 230 230KV	26	0.30922	-0.28338	5
WERE	NEOSHO ENERGY CENTER 138KV	47	0.01047	WERE	ABILENE ENERGY CENTER 115KV	40	0.29517	-0.2847	5
WERE	NEOSHO ENERGY CENTER 138KV	47	0.01047	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.30004	-0.28957	5
WERE	NEOSHO ENERGY CENTER 138KV	47	0.01047	WERE	SMOKYHIL 230 230KV	26	0.30922	-0.29875	5
WERE	SMOKYHIL 230 230KV	46	0.30922	WERE	JEFFREY ENERGY CENTER 345KV	957	0.59648	-0.28726	5
WERE	SOUTH SENECA 115KV	16.7	0.02293	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.30004	-0.27711	5

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

Upgrade: WICHITA - RENO 345KV
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
1090817	1.2	3.4
1090964	1.7	3.4
1090965	0.5	3.4

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	26.275	-0.52994	WERE	CHANUTE 69KV	46.617	0.00108	-0.53102	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	CITY OF AUGUSTA 69KV	20.02	0.00086	-0.5308	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	CITY OF BURLINGTON 69KV	4.8	0.00193	-0.53187	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	CITY OF ERIE 69KV	23.258	0.00108	-0.53102	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	CITY OF FREDONIA 69KV	2.496	0.00093	-0.53087	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	CITY OF GIRARD 69KV	2.989	0.00106	-0.531	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	CITY OF IOLA 69KV	19.865	0.00119	-0.53113	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	CITY OF MULVANE 69KV	6.189	0.00035	-0.53029	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00193	-0.53187	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	EVANS ENERGY CENTER 138KV	269.458	0.00084	-0.53078	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00979	-0.53973	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00084	-0.53078	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.00887	-0.53881	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.00952	-0.53946	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.0144	-0.54434	6
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00011	-0.52983	7
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	GILL ENERGY CENTER 138KV	77	-0.00059	-0.52935	7
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	WACO 138KV	17.947	-0.00045	-0.52949	7
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.52994	WERE	HUTCHINSON ENERGY CENTER 115KV	80.00001	-0.08161	-0.44833	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	CHANUTE 69KV	46.617	0.00108	-0.38628	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	CITY OF AUGUSTA 69KV	20.02	0.00086	-0.38606	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	CITY OF BURLINGTON 69KV	4.8	0.00193	-0.38713	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	CITY OF ERIE 69KV	23.258	0.00108	-0.38628	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	CITY OF IOLA 69KV	19.865	0.00119	-0.38639	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	CITY OF MULVANE 69KV	6.189	0.00035	-0.38555	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00011	-0.38509	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00193	-0.38713	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	EVANS ENERGY CENTER 138KV	269.458	0.00084	-0.38604	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	GILL ENERGY CENTER 138KV	77	-0.00059	-0.38461	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00979	-0.39499	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00084	-0.38604	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.00887	-0.39407	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.00952	-0.39472	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.0144	-0.3996	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	WACO 138KV	17.947	-0.00045	-0.38475	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.3852	WERE	HUTCHINSON ENERGY CENTER 115KV	80.00001	-0.08161	-0.30359	11
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.09843	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.0144	-0.11283	31
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.09843	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00979	-0.10822	32
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.09843	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.00887	-0.1073	32
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.09843	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.00952	-0.10795	32

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

WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.09843	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00193	-0.10036	34
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.09843	WERE	CHANUTE 69KV	46.617	0.00108	-0.09951	35
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.09843	WERE	CITY OF AUGUSTA 69KV	20.02	0.00086	-0.09929	35
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.09843	WERE	CITY OF ERIE 69KV	23.258	0.00108	-0.09951	35
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.09843	WERE	CITY OF IOLA 69KV	19.865	0.00119	-0.09962	35
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.09843	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00011	-0.09832	35
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.09843	WERE	EVANS ENERGY CENTER 138KV	269.458	0.00084	-0.09927	35
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.09843	WERE	GILL ENERGY CENTER 138KV	77	-0.00059	-0.09784	35
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.09843	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00084	-0.09927	35
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.09843	WERE	WACO 138KV	17.947	-0.00045	-0.09798	35
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.08161	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.0144	-0.09601	36
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.08158	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.0144	-0.09598	36
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.08161	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00979	-0.0914	38
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.08161	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.00887	-0.09048	38
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.08161	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.00952	-0.09113	38
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.08158	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00979	-0.09137	38
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.08158	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.00887	-0.09045	38
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.08158	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.00952	-0.0911	38
WERE	SMOKYHIL 230 230KV	72	-0.07605	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.0144	-0.09045	38
WERE	SMOKYHIL 230 230KV	72	-0.07605	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00979	-0.08584	40
WERE	SMOKYHIL 230 230KV	72	-0.07605	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.00952	-0.08557	40
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.08161	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00193	-0.08354	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.08158	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00193	-0.08351	41
WERE	SMOKYHIL 230 230KV	72	-0.07605	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.00887	-0.08492	41
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.08161	WERE	CHANUTE 69KV	46.617	0.00108	-0.08269	42
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.08161	WERE	CITY OF AUGUSTA 69KV	20.02	0.00086	-0.08247	42
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.08161	WERE	CITY OF ERIE 69KV	23.258	0.00108	-0.08269	42
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.08161	WERE	CITY OF IOLA 69KV	19.865	0.00119	-0.0828	42
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.08161	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00011	-0.0815	42
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.08161	WERE	EVANS ENERGY CENTER 138KV	269.458	0.00084	-0.08245	42
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.08161	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00084	-0.08245	42
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.08161	WERE	WACO 138KV	17.947	-0.00045	-0.08116	42
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.08158	WERE	CHANUTE 69KV	46.617	0.00108	-0.08266	42
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.08158	WERE	CITY OF AUGUSTA 69KV	20.02	0.00086	-0.08244	42
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.08158	WERE	CITY OF ERIE 69KV	23.258	0.00108	-0.08266	42
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.08158	WERE	CITY OF IOLA 69KV	19.865	0.00119	-0.08277	42
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.08158	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00011	-0.08147	42
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.08158	WERE	EVANS ENERGY CENTER 138KV	269.458	0.00084	-0.08242	42
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.08158	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00084	-0.08242	42
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.08158	WERE	WACO 138KV	17.947	-0.00045	-0.08113	42
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.08161	WERE	GILL ENERGY CENTER 138KV	77	-0.00059	-0.08102	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.08158	WERE	GILL ENERGY CENTER 138KV	77	-0.00059	-0.08099	43
WERE	SMOKYHIL 230 230KV	72	-0.07605	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00193	-0.07798	44
WERE	SMOKYHIL 230 230KV	72	-0.07605	WERE	CHANUTE 69KV	46.617	0.00108	-0.07713	45
WERE	SMOKYHIL 230 230KV	72	-0.07605	WERE	CITY OF AUGUSTA 69KV	20.02	0.00086	-0.07691	45
WERE	SMOKYHIL 230 230KV	72	-0.07605	WERE	CITY OF ERIE 69KV	23.258	0.00108	-0.07713	45
WERE	SMOKYHIL 230 230KV	72	-0.07605	WERE	CITY OF IOLA 69KV	19.865	0.00119	-0.07724	45
WERE	SMOKYHIL 230 230KV	72	-0.07605	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00011	-0.07594	45
WERE	SMOKYHIL 230 230KV	72	-0.07605	WERE	EVANS ENERGY CENTER 138KV	269.458	0.00084	-0.07689	45
WERE	SMOKYHIL 230 230KV	72	-0.07605	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00084	-0.07689	45
WERE	SMOKYHIL 230 230KV	72	-0.07605	WERE	GILL ENERGY CENTER 138KV	77	-0.00059	-0.07546	46
WERE	SMOKYHIL 230 230KV	72	-0.07605	WERE	WACO 138KV	17.947	-0.00045	-0.0756	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: WICHITA - RENO 345KV
Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
Direction: To->From
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 57368573811568725687312206WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086655	1.1	2.3
1086656	0.4	2.3
1090964	0.6	2.3
1090965	0.2	2.3

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	-0.2959	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01793	-0.31383	7
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.2959	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.02374	-0.31964	7
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.2959	WERE	CHANUTE 69KV	35.344	0.00152	-0.29742	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.2959	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00028	-0.29618	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.2959	WERE	CITY OF BURLINGTON 69KV	4.8	0.00296	-0.29886	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.2959	WERE	CITY OF IOLA 69KV	13.978	0.0018	-0.2977	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.2959	WERE	CITY OF MULVANE 69KV	3.694	-0.00092	-0.29498	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.2959	WERE	CITY OF WELLINGTON 69KV	24	-0.00177	-0.29413	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.2959	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00296	-0.29886	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.2959	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.01002	-0.30592	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.2959	WERE	WACO 138KV	17.953	-0.0029	-0.293	8
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.23866	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01793	-0.25659	9
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.23866	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.02374	-0.2624	9
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.23866	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.01002	-0.24868	9
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.23855	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01793	-0.25648	9
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.23855	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.02374	-0.26229	9
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.23855	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.01002	-0.24857	9
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.23866	WERE	CHANUTE 69KV	35.344	0.00152	-0.24018	10
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.23866	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00028	-0.23894	10
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.23866	WERE	CITY OF BURLINGTON 69KV	4.8	0.00296	-0.24162	10
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.23866	WERE	CITY OF IOLA 69KV	13.978	0.0018	-0.24046	10
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.23866	WERE	CITY OF MULVANE 69KV	3.694	-0.00092	-0.23774	10
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.23866	WERE	CITY OF WELLINGTON 69KV	24	-0.00177	-0.23689	10
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.23866	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00296	-0.24162	10
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.23866	WERE	WACO 138KV	17.953	-0.0029	-0.23576	10
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.23855	WERE	CHANUTE 69KV	35.344	0.00152	-0.24007	10
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.23855	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00028	-0.23883	10
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.23855	WERE	CITY OF BURLINGTON 69KV	4.8	0.00296	-0.24151	10
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.23855	WERE	CITY OF IOLA 69KV	13.978	0.0018	-0.24035	10
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.23855	WERE	CITY OF MULVANE 69KV	3.694	-0.00092	-0.23763	10

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

WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.23855	WERE	CITY OF WELLINGTON 69KV	24	-0.00177	-0.23678	10
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.23855	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00296	-0.24151	10
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.23855	WERE	WACO 138KV	17.953	-0.0029	-0.23565	10
WERE	ABILENE ENERGY CENTER 115KV	66	-0.15635	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01793	-0.17428	13
WERE	ABILENE ENERGY CENTER 115KV	66	-0.15635	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.02374	-0.18009	13
WERE	ABILENE ENERGY CENTER 115KV	66	-0.15635	WERE	CITY OF BURLINGTON 69KV	4.8	0.00296	-0.15931	14
WERE	ABILENE ENERGY CENTER 115KV	66	-0.15635	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00296	-0.15931	14
WERE	ABILENE ENERGY CENTER 115KV	66	-0.15635	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.01002	-0.16637	14
WERE	ST JOHN 115KV	7.5	-0.13548	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.02374	-0.15922	14
WERE	ABILENE ENERGY CENTER 115KV	66	-0.15635	WERE	CHANUTE 69KV	35.344	0.00152	-0.15787	15
WERE	ABILENE ENERGY CENTER 115KV	66	-0.15635	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00028	-0.15663	15
WERE	ABILENE ENERGY CENTER 115KV	66	-0.15635	WERE	CITY OF IOLA 69KV	13.978	0.0018	-0.15815	15
WERE	ABILENE ENERGY CENTER 115KV	66	-0.15635	WERE	CITY OF WELLINGTON 69KV	24	-0.00177	-0.15458	15
WERE	ABILENE ENERGY CENTER 115KV	66	-0.15635	WERE	WACO 138KV	17.953	-0.0029	-0.15345	15
WERE	ST JOHN 115KV	7.5	-0.13548	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01793	-0.15341	15
WERE	ST JOHN 115KV	7.5	-0.13548	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.01002	-0.1455	16
WERE	ST JOHN 115KV	7.5	-0.13548	WERE	CHANUTE 69KV	35.344	0.00152	-0.137	17
WERE	ST JOHN 115KV	7.5	-0.13548	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00028	-0.13576	17
WERE	ST JOHN 115KV	7.5	-0.13548	WERE	CITY OF IOLA 69KV	13.978	0.0018	-0.13728	17
WERE	ST JOHN 115KV	7.5	-0.13548	WERE	CITY OF WELLINGTON 69KV	24	-0.00177	-0.13371	17
WERE	ST JOHN 115KV	7.5	-0.13548	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00296	-0.13844	17
WERE	ST JOHN 115KV	7.5	-0.13548	WERE	WACO 138KV	17.953	-0.0029	-0.13258	17
WERE	CLAY CENTER JUNCTION 115KV	28.7	-0.09748	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.02374	-0.12122	19
WERE	CLAY CENTER JUNCTION 115KV	28.7	-0.09748	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01793	-0.11541	20
WERE	CLAY CENTER JUNCTION 115KV	28.7	-0.09748	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.01002	-0.1075	21
WERE	CLAY CENTER JUNCTION 115KV	28.7	-0.09748	WERE	CHANUTE 69KV	35.344	0.00152	-0.099	23
WERE	CLAY CENTER JUNCTION 115KV	28.7	-0.09748	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00028	-0.09776	23
WERE	CLAY CENTER JUNCTION 115KV	28.7	-0.09748	WERE	CITY OF IOLA 69KV	13.978	0.0018	-0.09928	23
WERE	CLAY CENTER JUNCTION 115KV	28.7	-0.09748	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00296	-0.10044	23
WERE	CLAY CENTER JUNCTION 115KV	28.7	-0.09748	WERE	CITY OF WELLINGTON 69KV	24	-0.00177	-0.09571	24
WERE	CLAY CENTER JUNCTION 115KV	28.7	-0.09748	WERE	WACO 138KV	17.953	-0.0029	-0.09458	24
WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.12115	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.0734	-0.04775	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: 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	4.6	9.5
1086656	1.6	9.5
1090817	1.1	9.5
1090964	1.7	9.5
1090965	0.5	9.5

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	-0.28393	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02006	-0.30399	31
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28393	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01438	-0.29831	32
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28393	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.00737	-0.2913	32
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28393	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.00765	-0.29158	32
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28393	WERE	CHANUTE 69KV	46.617	0.00115	-0.28508	33
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28393	WERE	CITY OF AUGUSTA 69KV	20.02	0.00007	-0.284	33
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28393	WERE	CITY OF ERIE 69KV	23.258	0.00115	-0.28508	33
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28393	WERE	CITY OF IOLA 69KV	19.865	0.00138	-0.28531	33
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28393	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00226	-0.28619	33
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28393	WERE	EVANS ENERGY CENTER 138KV	269.458	-0.00007	-0.28386	33
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28393	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.00696	-0.29089	33
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28393	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00155	-0.28238	34
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28393	WERE	GILL ENERGY CENTER 138KV	77	-0.0028	-0.28113	34
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28393	WERE	WACO 138KV	17.947	-0.00253	-0.2814	34
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.22228	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02006	-0.24234	39
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22217	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02006	-0.24223	39
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.22228	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01438	-0.23666	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22217	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01438	-0.23655	40
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.22228	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.00737	-0.22965	41
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.22228	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.00765	-0.22993	41
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.22228	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.00696	-0.22924	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22217	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.00737	-0.22954	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22217	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.00765	-0.22982	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22217	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.00696	-0.22913	41
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.22228	WERE	CHANUTE 69KV	46.617	0.00115	-0.22343	42
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.22228	WERE	CITY OF ERIE 69KV	23.258	0.00115	-0.22343	42
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.22228	WERE	CITY OF IOLA 69KV	19.865	0.00138	-0.22366	42
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.22228	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00226	-0.22454	42
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22217	WERE	CHANUTE 69KV	46.617	0.00115	-0.22332	42
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22217	WERE	CITY OF ERIE 69KV	23.258	0.00115	-0.22332	42
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22217	WERE	CITY OF IOLA 69KV	19.865	0.00138	-0.22355	42
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22217	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00226	-0.22443	42
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.22228	WERE	CITY OF AUGUSTA 69KV	20.02	0.00007	-0.22235	43
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.22228	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00155	-0.22073	43
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.22228	WERE	EVANS ENERGY CENTER 138KV	269.458	-0.00007	-0.22221	43
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.22228	WERE	GILL ENERGY CENTER 138KV	77	-0.0028	-0.21948	43
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.22228	WERE	WACO 138KV	17.947	-0.00253	-0.21975	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22217	WERE	CITY OF AUGUSTA 69KV	20.02	0.00007	-0.22224	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22217	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00155	-0.22062	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22217	WERE	EVANS ENERGY CENTER 138KV	269.458	-0.00007	-0.2221	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22217	WERE	GILL ENERGY CENTER 138KV	77	-0.0028	-0.21937	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22217	WERE	WACO 138KV	17.947	-0.00253	-0.21964	43
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16101	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02006	-0.18107	52
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16101	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01438	-0.17539	54
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16101	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.00737	-0.16838	56
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16101	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.00765	-0.16866	56
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16101	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.00696	-0.16797	56
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16101	WERE	CHANUTE 69KV	46.617	0.00115	-0.16216	58
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16101	WERE	CITY OF ERIE 69KV	23.258	0.00115	-0.16216	58

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

WERE	ABILENE ENERGY CENTER 115KV	66	-0.16101	WERE	CITY OF IOLA 69KV	19.865	0.00138	-0.16239	58
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16101	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00226	-0.16327	58
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16101	WERE	CITY OF AUGUSTA 69KV	20.02	0.00007	-0.16108	59
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16101	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00155	-0.15946	59
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16101	WERE	EVANS ENERGY CENTER 138KV	269.458	-0.00007	-0.16094	59
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16101	WERE	GILL ENERGY CENTER 138KV	77	-0.0028	-0.15821	60
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.10176	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02006	-0.12182	78
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28393	WERE	HUTCHINSON ENERGY CENTER 115KV	80.00001	-0.22228	-0.06165	154

Maximum Decrement and Maximum Increment were determine from the 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: 57368573811568725687312211WP
Date Redispatch Needed: 12/1/11 - 4/1/12
Season Flowgate Identified:

Reservation	Relief Amount	Aggregate Relief Amount
1086655	0.1	2.8
1086656	0.1	2.8
1090325	0.1	2.8
1090327	0.1	2.8
1090329	0.1	2.8
1090331	0.1	2.8
1090332	0.1	2.8
1090334	0.1	2.8
1090377	0.1	2.8
1090378	0.1	2.8
1090382	0.1	2.8
1090383	0.1	2.8
1090416	0.1	2.8
1090817	0.1	2.8
1090826	0.1	2.8
1090839	0.1	2.8
1090841	0.1	2.8
1090844	0.1	2.8
1090852	0.1	2.8
1090853	0.1	2.8
1090854	0.1	2.8
1090917	0.1	2.8
1090919	0.1	2.8
1090920	0.1	2.8
1090921	0.1	2.8
1090922	0.1	2.8
1090934	0.1	2.8
1090935	0.1	2.8
1090964	0.1	2.8
1090965	0.1	2.8
1091057	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	BPU - CITY OF MCPHERSON 115KV	259	-0.28379	WERE	SMOKYHIL 230 230KV	11	0.06275	-0.34654	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28379	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01439	-0.29818	9
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28379	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02008	-0.30387	9
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28379	WERE	CHANUTE 69KV	44.738	0.00117	-0.28496	10
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28379	WERE	CITY OF AUGUSTA 69KV	12.42	0.00007	-0.28386	10
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28379	WERE	CITY OF ERIE 69KV	4	0.00117	-0.28496	10
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28379	WERE	CITY OF IOLA 69KV	16.378	0.00141	-0.2852	10
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28379	WERE	CITY OF MULVANE 69KV	4.394	-0.00091	-0.28288	10
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28379	WERE	CITY OF WELLINGTON 69KV	20	-0.00157	-0.28222	10
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28379	WERE	EVANS ENERGY CENTER 138KV	55	-0.00007	-0.28372	10
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28379	WERE	LAWRENCE ENERGY CENTER 230KV	172.5793	0.00768	-0.29147	10
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28379	WERE	TECUMSEH ENERGY CENTER 115KV	25.83838	0.00698	-0.29077	10
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28379	WERE	WACO 138KV	17.96	-0.00253	-0.28126	10
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.22213	WERE	SMOKYHIL 230 230KV	11	0.06275	-0.28488	10
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.2219	WERE	SMOKYHIL 230 230KV	11	0.06275	-0.28465	10
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.22213	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02008	-0.24221	11
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.2219	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02008	-0.24198	11
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16095	WERE	SMOKYHIL 230 230KV	11	0.06275	-0.2237	12
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.22213	WERE	CHANUTE 69KV	44.738	0.00117	-0.2233	12
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.22213	WERE	CITY OF AUGUSTA 69KV	12.42	0.00007	-0.2222	12
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.22213	WERE	CITY OF ERIE 69KV	4	0.00117	-0.2233	12
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.22213	WERE	CITY OF IOLA 69KV	16.378	0.00141	-0.22354	12
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.22213	WERE	EVANS ENERGY CENTER 138KV	55	-0.00007	-0.22206	12
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.22213	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01439	-0.23652	12
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.22213	WERE	LAWRENCE ENERGY CENTER 230KV	172.5793	0.00768	-0.22981	12
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.22213	WERE	TECUMSEH ENERGY CENTER 115KV	25.83838	0.00698	-0.22911	12
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.2219	WERE	CHANUTE 69KV	44.738	0.00117	-0.22307	12
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.2219	WERE	CITY OF AUGUSTA 69KV	12.42	0.00007	-0.22197	12
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.2219	WERE	CITY OF ERIE 69KV	4	0.00117	-0.22307	12
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.2219	WERE	CITY OF IOLA 69KV	16.378	0.00141	-0.22331	12
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.2219	WERE	EVANS ENERGY CENTER 138KV	55	-0.00007	-0.22183	12
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.2219	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01439	-0.23629	12
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.2219	WERE	LAWRENCE ENERGY CENTER 230KV	172.5793	0.00768	-0.22958	12
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.2219	WERE	TECUMSEH ENERGY CENTER 115KV	25.83838	0.00698	-0.22888	12
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.22213	WERE	CITY OF MULVANE 69KV	4.394	-0.00091	-0.22122	13
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.22213	WERE	CITY OF WELLINGTON 69KV	20	-0.00157	-0.22056	13
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.22213	WERE	WACO 138KV	17.96	-0.00253	-0.2196	13
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.2219	WERE	CITY OF MULVANE 69KV	4.394	-0.00091	-0.22099	13
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.2219	WERE	CITY OF WELLINGTON 69KV	20	-0.00157	-0.22033	13
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.2219	WERE	WACO 138KV	17.96	-0.00253	-0.21937	13
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16095	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02008	-0.18103	15
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28379	WERE	CLAY CENTER JUNCTION 115KV	6.553006	-0.10172	-0.18207	15
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16095	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01439	-0.17534	16
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16095	WERE	LAWRENCE ENERGY CENTER 230KV	172.5793	0.00768	-0.16863	16
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16095	WERE	TECUMSEH ENERGY CENTER 115KV	25.83838	0.00698	-0.16793	16
WERE	ST JOHN 115KV	7.5	-0.11355	WERE	SMOKYHIL 230 230KV	11	0.06275	-0.1763	16
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16095	WERE	CHANUTE 69KV	44.738	0.00117	-0.16212	17

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

WERE	ABILENE ENERGY CENTER 115KV	66	-0.16095	WERE	CITY OF AUGUSTA 69KV	12.42	0.00007	-0.16102	17
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16095	WERE	CITY OF IOLA 69KV	16.378	0.00141	-0.16236	17
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16095	WERE	CITY OF WELLINGTON 69KV	20	-0.00157	-0.15938	17
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16095	WERE	EVANS ENERGY CENTER 138KV	55	-0.00007	-0.16088	17
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16095	WERE	WACO 138KV	17.96	-0.00253	-0.15842	17
WERE	CLAY CENTER JUNCTION 115KV	31.547	-0.10172	WERE	SMOKYHIL 230 230KV	11	0.06275	-0.16447	17
WERE	ST JOHN 115KV	7.5	-0.11355	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02008	-0.13363	21
WERE	ST JOHN 115KV	7.5	-0.11355	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01439	-0.12794	22
WERE	CLAY CENTER JUNCTION 115KV	31.547	-0.10172	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02008	-0.1218	23
WERE	CLAY CENTER JUNCTION 115KV	31.547	-0.10172	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01439	-0.11611	24
WERE	CLAY CENTER JUNCTION 115KV	31.547	-0.10172	WERE	LAWRENCE ENERGY CENTER 230KV	172.5793	0.00768	-0.1094	25
WERE	CLAY CENTER JUNCTION 115KV	31.547	-0.10172	WERE	TECUMSEH ENERGY CENTER 115KV	25.83838	0.00698	-0.1087	25
WERE	CLAY CENTER JUNCTION 115KV	31.547	-0.10172	WERE	CHANUTE 69KV	44.738	0.00117	-0.10289	27
WERE	CLAY CENTER JUNCTION 115KV	31.547	-0.10172	WERE	CITY OF AUGUSTA 69KV	12.42	0.00007	-0.10179	27
WERE	CLAY CENTER JUNCTION 115KV	31.547	-0.10172	WERE	CITY OF IOLA 69KV	16.378	0.00141	-0.10313	27
WERE	CLAY CENTER JUNCTION 115KV	31.547	-0.10172	WERE	EVANS ENERGY CENTER 138KV	55	-0.00007	-0.10165	27
WERE	CLAY CENTER JUNCTION 115KV	31.547	-0.10172	WERE	CITY OF WELLINGTON 69KV	20	-0.00157	-0.10015	28
WERE	CLAY CENTER JUNCTION 115KV	31.547	-0.10172	WERE	WACO 138KV	17.96	-0.00253	-0.09919	28
MIDW	PAWNEE 115KV	999	-0.11355	MIDW	KNOLL 3 115 115KV	52	-0.03084	-0.08271	33
MIDW	RICE 115KV	999	-0.11355	MIDW	KNOLL 3 115 115KV	52	-0.03084	-0.08271	33
WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.08828	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.05589	-0.03239	85

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

Upgrade: 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	4.7	6.3
1086656	1.6	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 ERIE 69KV	23.258	-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	31.07001	-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	269.458	-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	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	230.9805	-0.00157	-0.35402	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	26.275	-0.23412	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01085	-0.24497	26
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.23412	WERE	CHANUTE 69KV	46.617	-0.00008	-0.23404	27
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.23412	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00065	-0.23347	27
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.23412	WERE	CITY OF ERIE 69KV	23.258	-0.00008	-0.23404	27
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.23412	WERE	CITY OF IOLA 69KV	19.865	-0.00002	-0.2341	27
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.23412	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00098	-0.23314	27
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.23412	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00002	-0.2341	27
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.23412	WERE	EVANS ENERGY CENTER 138KV	269.458	-0.00074	-0.23338	27
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.23412	WERE	GILL ENERGY CENTER 138KV	77	-0.00147	-0.23265	27
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.23412	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00219	-0.23631	27
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.23412	WERE	LAWRENCE ENERGY CENTER 115KV	60	-0.00132	-0.2328	27
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.23412	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	-0.00157	-0.23255	27
WERE	CLAY CENTER JUNCTION 115KV	26.275	-0.23412	WERE	WACO 138KV	17.947	-0.0014	-0.23272	27
WERE	CLAY CENTER JUNCTION 115KV	26.275	-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	36
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	23.258	-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	31.07001	-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	269.458	-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	230.9805	-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	26.275	-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	CITY OF ERIE 69KV	23.258	-0.00008	-0.09467	67
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.09475	WERE	EVANS ENERGY CENTER 138KV	269.458	-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	CITY OF ERIE 69KV	23.258	-0.00008	-0.09461	67
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09469	WERE	EVANS ENERGY CENTER 138KV	269.458	-0.00074	-0.09395	67
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.09475	WERE	CITY OF WELLINGTON 69KV	31.07001	-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	230.9805	-0.00157	-0.09318	68
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09469	WERE	CITY OF WELLINGTON 69KV	31.07001	-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	230.9805	-0.00157	-0.09312	68

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

WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.09475	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00495	-0.0898	70
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: 573725737415687256873122O6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090964	7.2	9.2
1090965	2.1	9.2

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	-0.52193	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0347	-0.55663	17
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.52193	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.03601	-0.55794	17
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.52193	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.02275	-0.54468	17
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.52193	WERE	CHANUTE 69KV	35.344	0.00317	-0.5251	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.52193	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00114	-0.52307	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.52193	WERE	CITY OF IOLA 69KV	13.978	0.00368	-0.52561	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.52193	WERE	CITY OF WELLINGTON 69KV	24	-0.00271	-0.51922	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.52193	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.006	-0.52793	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.52193	WERE	WACO 138KV	17.953	-0.00465	-0.51728	18
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.42289	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0347	-0.45759	20
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.42289	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.03601	-0.4589	20
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.4227	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0347	-0.4574	20
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.4227	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.03601	-0.45871	20
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.42289	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.02275	-0.44564	21
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.4227	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.02275	-0.44545	21
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.42289	WERE	CHANUTE 69KV	35.344	0.00317	-0.42606	22
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.42289	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00114	-0.42403	22
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.42289	WERE	CITY OF IOLA 69KV	13.978	0.00368	-0.42657	22
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.42289	WERE	CITY OF WELLINGTON 69KV	24	-0.00271	-0.42018	22
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.42289	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.006	-0.42889	22
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.42289	WERE	WACO 138KV	17.953	-0.00465	-0.41824	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.4227	WERE	CHANUTE 69KV	35.344	0.00317	-0.42587	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.4227	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00114	-0.42384	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.4227	WERE	CITY OF IOLA 69KV	13.978	0.00368	-0.42638	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.4227	WERE	CITY OF WELLINGTON 69KV	24	-0.00271	-0.41999	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.4227	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.006	-0.4287	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.4227	WERE	WACO 138KV	17.953	-0.00465	-0.41805	22
WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.22216	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.1362	-0.08596	108
WERE	GILL ENERGY CENTER 138KV	218	-0.00528	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.03601	-0.04129	224
WERE	GILL ENERGY CENTER 138KV	218	-0.00528	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0347	-0.03998	231
WERE	GILL ENERGY CENTER 69KV	118	-0.00373	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.03601	-0.03974	233
WERE	GILL ENERGY CENTER 69KV	118	-0.00373	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0347	-0.03843	241
WERE	EVANS ENERGY CENTER 138KV	793	0.00088	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.03601	-0.03513	263
WERE	EVANS ENERGY CENTER 138KV	793	0.00088	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0347	-0.03382	273
WERE	LATHAM1234.0 345KV	150	0.00293	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.03601	-0.03308	279
WERE	LATHAM1234.0 345KV	150	0.00293	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0347	-0.03177	291

Maximum Decrement and Maximum Increment were determine from the 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
1090310	0.3	0.3

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	-0.50469	WERE	CHANUTE 69KV	56.296	0.00259	-0.50728	0
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	CITY OF AUGUSTA 69KV	19.63601	0.00079	-0.50548	0
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	CITY OF BURLINGTON 69KV	4.8	0.00495	-0.50964	0
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	CITY OF ERIE 69KV	2.095	0.00259	-0.50728	0
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	CITY OF FREDONIA 69KV	1.497	0.00204	-0.50673	0
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	CITY OF GIRARD 69KV	1.791	0.00269	-0.50738	0
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	CITY OF IOLA 69KV	24.256	0.00303	-0.50772	0
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.59138	0
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00495	-0.50964	0
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	EVANS ENERGY CENTER 138KV	131.6824	0.00057	-0.50526	0
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02953	-0.53422	0
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03066	-0.53535	0
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	LAWRENCE ENERGY CENTER 230KV	229.5688	0.01924	-0.52393	0
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	TECUMSEH ENERGY CENTER 115KV	88	0.02222	-0.52691	0
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	CITY OF MULVANE 69KV	4.891	-0.00108	-0.50361	1
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	CITY OF WELLINGTON 69KV	20	-0.00243	-0.50226	1
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	WACO 138KV	17.946	-0.00417	-0.50052	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	CHANUTE 69KV	56.296	0.00259	-0.40189	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	CITY OF AUGUSTA 69KV	19.63601	0.00079	-0.40009	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	CITY OF BURLINGTON 69KV	4.8	0.00495	-0.40425	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	CITY OF ERIE 69KV	2.095	0.00259	-0.40189	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	CITY OF FREDONIA 69KV	1.497	0.00204	-0.40134	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	CITY OF GIRARD 69KV	1.791	0.00269	-0.40199	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	CITY OF IOLA 69KV	24.256	0.00303	-0.40233	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	CITY OF MULVANE 69KV	4.891	-0.00108	-0.39822	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	CITY OF WELLINGTON 69KV	20	-0.00243	-0.39687	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.48599	1

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

WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00495	-0.40425	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	EVANS ENERGY CENTER 138KV	131.6824	0.00057	-0.39987	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02953	-0.42883	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03066	-0.42996	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	LAWRENCE ENERGY CENTER 230KV	229.5688	0.01924	-0.41854	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	TECUMSEH ENERGY CENTER 115KV	88	0.02222	-0.42152	1
WERE	HUTCHINSON ENERGY CENTER 115KV	343	-0.3993	WERE	WACO 138KV	17.946	-0.00417	-0.39513	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	CHANUTE 69KV	56.296	0.00259	-0.4017	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	CITY OF AUGUSTA 69KV	19.63601	0.00079	-0.3999	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	CITY OF BURLINGTON 69KV	4.8	0.00495	-0.40406	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	CITY OF ERIE 69KV	2.095	0.00259	-0.4017	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	CITY OF FREDONIA 69KV	1.497	0.00204	-0.40115	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	CITY OF GIRARD 69KV	1.791	0.00269	-0.4018	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	CITY OF IOLA 69KV	24.256	0.00303	-0.40214	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	CITY OF MULVANE 69KV	4.891	-0.00108	-0.39803	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	CITY OF WELLINGTON 69KV	20	-0.00243	-0.39668	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.4858	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00495	-0.40406	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	EVANS ENERGY CENTER 138KV	131.6824	0.00057	-0.39968	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02953	-0.42864	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03066	-0.42977	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	LAWRENCE ENERGY CENTER 230KV	229.5688	0.01924	-0.41835	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	TECUMSEH ENERGY CENTER 115KV	88	0.02222	-0.42133	1
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39911	WERE	WACO 138KV	17.946	-0.00417	-0.39494	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	CHANUTE 69KV	56.296	0.00259	-0.21654	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	CITY OF AUGUSTA 69KV	19.63601	0.00079	-0.21474	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	CITY OF BURLINGTON 69KV	4.8	0.00495	-0.2189	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	CITY OF ERIE 69KV	2.095	0.00259	-0.21654	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	CITY OF FREDONIA 69KV	1.497	0.00204	-0.21599	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	CITY OF GIRARD 69KV	1.791	0.00269	-0.21664	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	CITY OF IOLA 69KV	24.256	0.00303	-0.21698	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	CITY OF MULVANE 69KV	4.891	-0.00108	-0.21287	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	CITY OF WELLINGTON 69KV	20	-0.00243	-0.21152	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.30064	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00495	-0.2189	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	EVANS ENERGY CENTER 138KV	131.6824	0.00057	-0.21452	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02953	-0.24348	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03066	-0.24461	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	LAWRENCE ENERGY CENTER 230KV	229.5688	0.01924	-0.23319	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	TECUMSEH ENERGY CENTER 115KV	88	0.02222	-0.23617	1
WERE	ST JOHN 115KV	7.5	-0.21395	WERE	WACO 138KV	17.946	-0.00417	-0.20978	1
WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.17551	WEPL	BELOIT 115KV	5.5	-0.0247	-0.15081	2
WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.17551	WEPL	HARPER 138KV	1.55	-0.05832	-0.11719	2
WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.17551	WEPL	SMITH CENTER 115KV	3.6	-0.0563	-0.11921	2
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50469	WERE	HUTCHINSON ENERGY CENTER 115KV	40	-0.3993	-0.10539	2
MIDW	GREAT BEND PLANT 69KV	10	-0.17997	MIDW	COLBY 115KV	6.388851	-0.07414	-0.10583	2
WEPL	NORTH WEST GREAT BEND 115KV	14.24	-0.17551	WEPL	BELOIT 115KV	5.5	-0.0247	-0.15081	2
WEPL	NORTH WEST GREAT BEND 115KV	14.24	-0.17551	WEPL	HARPER 138KV	1.55	-0.05832	-0.11719	2
WEPL	NORTH WEST GREAT BEND 115KV	14.24	-0.17551	WEPL	SMITH CENTER 115KV	3.6	-0.0563	-0.11921	2
MIDW	PAWNEE 115KV	999	-0.21395	MIDW	COLBY 115KV	6.388851	-0.07414	-0.13981	2
MIDW	RICE 115KV	999	-0.21395	MIDW	COLBY 115KV	6.388851	-0.07414	-0.13981	2
WEPL	RUSSELL 115KV	8.5	-0.13125	WEPL	BELOIT 115KV	5.5	-0.0247	-0.10655	2
WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.17551	WEPL	PLAINVILLE 115KV	5.25	-0.08252	-0.09299	3
WERE	BROWN COUNTY 115KV	5.5	0.00502	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.08167	3
WERE	CHANUTE 69KV	31.504	0.00259	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.0841	3
WERE	CITY OF AUGUSTA 69KV	7.703995	0.00079	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.0859	3
WERE	CITY OF BURLINGTON 69KV	7.7	0.00495	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.08174	3
WERE	CITY OF ERIE 69KV	24.435	0.00259	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.0841	3
WERE	CITY OF FREDONIA 69KV	8.796999	0.00204	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.08465	3
WERE	CITY OF GIRARD 69KV	8.909	0.00269	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.084	3
WERE	CITY OF IOLA 69KV	13.372	0.00303	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.08366	3
WERE	CITY OF MULVANE 69KV	10.899	-0.00108	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.08777	3
WERE	CITY OF NEODESHA 69KV	4.5	0.00186	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.08483	3
WERE	CITY OF OSAGE CITY 115KV	8.85	0.01092	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.07577	3
WERE	CITY OF WELLINGTON 69KV	23.5	-0.00243	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.08912	3
WERE	CITY OF WINFIELD 69KV	40	-0.00142	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.08811	3
WERE	EVANS ENERGY CENTER 138KV	661.3176	0.00057	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.08612	3
WERE	GETTY 69KV	35	0.00119	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.0855	3
WERE	GILL ENERGY CENTER 138KV	218	-0.0047	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.09139	3
WERE	GILL ENERGY CENTER 69KV	118	-0.00337	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.09006	3
WEPL	JUDSON LARGE 115KV	90.68843	-0.11046	WEPL	BELOIT 115KV	5.5	-0.0247	-0.08576	3
WERE	LATHAM1234.0 345KV	150	0.00235	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.08434	3
WERE	NEOSHO ENERGY CENTER 138KV	67	0.00252	WERE	CLAY CENTER JUNCTION 115KV	7.6	0.08669	-0.08417	3

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

Upgrade: 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: 57372573741568725687312207SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090310	0.1	0.8
1090817	0.3	0.8
1090964	0.3	0.8
1090965	0.1	0.8

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	-0.50466	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.59138	1
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02955	-0.53421	1
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03069	-0.53535	1
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.01833	-0.52299	1
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.01927	-0.52393	1
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.02225	-0.52691	1
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	CHANUTE 69KV	46.617	0.00261	-0.50727	2
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	CITY OF AUGUSTA 69KV	20.02	0.00081	-0.50547	2
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	CITY OF BURLINGTON 69KV	4.8	0.00497	-0.50963	2

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

WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	CITY OF ERIE 69KV	23.258	0.00261	-0.50727	2
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	CITY OF FREDONIA 69KV	2.496	0.00206	-0.50672	2
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	CITY OF GIRARD 69KV	2.989	0.00271	-0.50737	2
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	CITY OF IOLA 69KV	19.865	0.00304	-0.5077	2
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	CITY OF MULVANE 69KV	6.189	-0.00106	-0.5036	2
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00241	-0.50225	2
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00497	-0.50963	2
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	EVANS ENERGY CENTER 138KV	269.458	0.00059	-0.50525	2
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	GILL ENERGY CENTER 138KV	77	-0.00468	-0.49998	2
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	WACO 138KV	17.947	-0.00414	-0.50052	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	CHANUTE 69KV	46.617	0.00261	-0.40188	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	CITY OF AUGUSTA 69KV	20.02	0.00081	-0.40008	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	CITY OF BURLINGTON 69KV	4.8	0.00497	-0.40424	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	CITY OF ERIE 69KV	23.258	0.00261	-0.40188	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	CITY OF FREDONIA 69KV	2.496	0.00206	-0.40133	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	CITY OF GIRARD 69KV	2.989	0.00271	-0.40198	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	CITY OF IOLA 69KV	19.865	0.00304	-0.40231	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	CITY OF MULVANE 69KV	6.189	-0.00106	-0.39821	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00241	-0.39686	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.48599	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00497	-0.40424	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	EVANS ENERGY CENTER 138KV	269.458	0.00059	-0.39986	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	GILL ENERGY CENTER 138KV	77	-0.00468	-0.39459	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02955	-0.42882	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03069	-0.42996	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.01833	-0.4176	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.01927	-0.41854	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.02225	-0.42152	2
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.39927	WERE	WACO 138KV	17.947	-0.00414	-0.39513	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	CHANUTE 69KV	46.617	0.00261	-0.40169	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	CITY OF AUGUSTA 69KV	20.02	0.00081	-0.39989	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	CITY OF BURLINGTON 69KV	4.8	0.00497	-0.40405	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	CITY OF ERIE 69KV	23.258	0.00261	-0.40169	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	CITY OF FREDONIA 69KV	2.496	0.00206	-0.40114	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	CITY OF GIRARD 69KV	2.989	0.00271	-0.40179	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	CITY OF IOLA 69KV	19.865	0.00304	-0.40212	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	CITY OF MULVANE 69KV	6.189	-0.00106	-0.39802	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00241	-0.39667	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.4858	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00497	-0.40405	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	EVANS ENERGY CENTER 138KV	269.458	0.00059	-0.39967	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	GILL ENERGY CENTER 138KV	77	-0.00468	-0.3944	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02955	-0.42863	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03069	-0.42977	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.01833	-0.41741	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.01927	-0.41835	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.02225	-0.42133	2
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39908	WERE	WACO 138KV	17.947	-0.00414	-0.39494	2
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.30064	3
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02955	-0.24347	3
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03069	-0.24461	3
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.01833	-0.23225	3
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.01927	-0.23319	3
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.02225	-0.23617	3
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	CHANUTE 69KV	46.617	0.00261	-0.21653	4
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	CITY OF AUGUSTA 69KV	20.02	0.00081	-0.21473	4
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	CITY OF BURLINGTON 69KV	4.8	0.00497	-0.21889	4
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	CITY OF ERIE 69KV	23.258	0.00261	-0.21653	4
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	CITY OF FREDONIA 69KV	2.496	0.00206	-0.21598	4
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	CITY OF GIRARD 69KV	2.989	0.00271	-0.21663	4
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	CITY OF IOLA 69KV	19.865	0.00304	-0.21696	4
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	CITY OF MULVANE 69KV	6.189	-0.00106	-0.21286	4
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00241	-0.21151	4
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00497	-0.21889	4
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	EVANS ENERGY CENTER 138KV	269.458	0.00059	-0.21451	4
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	GILL ENERGY CENTER 138KV	77	-0.00468	-0.20924	4
WERE	ST JOHN 115KV	7.5	-0.21392	WERE	WACO 138KV	17.947	-0.00414	-0.20978	4
MIDW	PAWNEE 115KV	999	-0.21392	MIDW	COLBY 115KV	3.859887	-0.0741	-0.13982	6
MIDW	RICE 115KV	999	-0.21392	MIDW	COLBY 115KV	3.859887	-0.0741	-0.13982	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50466	WERE	HUTCHINSON ENERGY CENTER 115KV	80.00001	-0.39927	-0.10539	7
MIDW	GREAT BEND PLANT 69KV	10	-0.17995	MIDW	COLBY 115KV	3.859887	-0.0741	-0.10585	7
WERE	GILL ENERGY CENTER 138KV	118	-0.00468	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.0914	8
WERE	BROWN COUNTY 115KV	5.5	0.00507	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08165	9
WERE	CHANUTE 69KV	41.183	0.00261	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08411	9
WERE	CITY OF AUGUSTA 69KV	7.320001	0.00081	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08591	9
WERE	CITY OF BURLINGTON 69KV	7.7	0.00497	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08175	9
WERE	CITY OF ERIE 69KV	3.272	0.00261	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08411	9
WERE	CITY OF FREDONIA 69KV	7.797999	0.00206	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08466	9
WERE	CITY OF GIRARD 69KV	7.711	0.00271	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08401	9
WERE	CITY OF IOLA 69KV	17.763	0.00304	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08368	9
WERE	CITY OF MULVANE 69KV	9.601001	-0.00106	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08778	9
WERE	CITY OF NEODESHA 69KV	4.5	0.00188	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08484	9
WERE	CITY OF WELLINGTON 69KV	12.42999	-0.00241	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08913	9
WERE	CITY OF WINFIELD 69KV	40	-0.00139	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08811	9
WERE	EVANS ENERGY CENTER 138KV	523.542	0.00059	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08613	9
WERE	GETTY 69KV	35	0.00121	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08551	9
WERE	GILL ENERGY CENTER 69KV	118	-0.00335	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.09007	9
WERE	LATHAM1234.0 345KV	150	0.00237	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08435	9
WERE	NEOSHO ENERGY CENTER 138KV	67	0.00254	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08418	9
WERE	OXFORD 138KV	3	-0.00125	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.08797	9
WERE	SOUTH SENECA 115KV	16.7	0.00362	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.08672	-0.0831	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: 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: 57372573741568725687312207WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

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

Reservation	Relief Amount	Aggregate Relief Amount
1090310	0.3	14.3
1090817	5.0	14.3
1090964	7.0	14.3
1090965	2.0	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	-0.50463	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02957	-0.5342	27
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50463	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03071	-0.53534	27
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50463	WERE	LAWRENCE ENERGY CENTER 230KV	131.729	0.01929	-0.52392	27
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50463	WERE	CHANUTE 69KV	34.818	0.00262	-0.50725	28
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50463	WERE	CITY OF AUGUSTA 69KV	14.628	0.00083	-0.50546	28
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50463	WERE	CITY OF IOLA 69KV	14.565	0.00306	-0.50769	28
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50463	WERE	CITY OF WELLINGTON 69KV	20	-0.00239	-0.50224	28
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50463	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.95	0.00499	-0.50962	28
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50463	WERE	EVANS ENERGY CENTER 138KV	44.34082	0.00061	-0.50524	28
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50463	WERE	WACO 138KV	17.93	-0.00412	-0.50051	29
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39925	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02957	-0.42882	33
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39925	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03071	-0.42996	33
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39905	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02957	-0.42862	33
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39905	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03071	-0.42976	33
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39925	WERE	LAWRENCE ENERGY CENTER 230KV	131.729	0.01929	-0.41854	34
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39905	WERE	LAWRENCE ENERGY CENTER 230KV	131.729	0.01929	-0.41834	34
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39925	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.95	0.00499	-0.40424	35
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39905	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.95	0.00499	-0.40404	35
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39925	WERE	CHANUTE 69KV	34.818	0.00262	-0.40187	36
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39925	WERE	CITY OF AUGUSTA 69KV	14.628	0.00083	-0.40008	36
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39925	WERE	CITY OF IOLA 69KV	14.565	0.00306	-0.40231	36
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39925	WERE	CITY OF WELLINGTON 69KV	20	-0.00239	-0.39686	36
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39925	WERE	EVANS ENERGY CENTER 138KV	44.34082	0.00061	-0.39986	36
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39925	WERE	WACO 138KV	17.93	-0.00412	-0.39513	36
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39905	WERE	CHANUTE 69KV	34.818	0.00262	-0.40167	36
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39905	WERE	CITY OF AUGUSTA 69KV	14.628	0.00083	-0.39988	36
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39905	WERE	CITY OF IOLA 69KV	14.565	0.00306	-0.40211	36
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39905	WERE	CITY OF WELLINGTON 69KV	20	-0.00239	-0.39666	36
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39905	WERE	EVANS ENERGY CENTER 138KV	44.34082	0.00061	-0.39966	36
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39905	WERE	WACO 138KV	17.93	-0.00412	-0.39493	36
WERE	GILL ENERGY CENTER 138KV	218	-0.00466	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03071	-0.03537	404
WERE	GILL ENERGY CENTER 138KV	218	-0.00466	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02957	-0.03423	418
WERE	EVANS ENERGY CENTER 138KV	748.6592	0.00061	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03071	-0.0301	475

Maximum Decrement and Maximum Increment were determine from the 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	13.2
1090325	1.1	13.2
1090327	0.4	13.2
1090817	0.7	13.2
1090826	1.1	13.2
1090839	1.1	13.2
1090841	1.1	13.2
1090844	0.3	13.2
1090852	0.3	13.2
1090853	0.5	13.2
1090854	0.3	13.2
1090917	0.4	13.2
1090919	0.1	13.2
1090920	0.7	13.2
1090921	0.2	13.2
1090922	2.1	13.2
1090934	1.1	13.2
1090935	0.3	13.2
1090964	1.0	13.2
1090965	0.3	13.2
1091057	0.3	13.2

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	-0.50453	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0295	-0.53403	25
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50453	WERE	JEFFREY ENERGY CENTER 345KV	945.0371	0.03066	-0.53519	25
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50453	WERE	LAWRENCE ENERGY CENTER 230KV	132.2974	0.01926	-0.52379	25
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50453	WERE	SMOKYHIL 230 230KV	17	0.03122	-0.53575	25
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50453	WERE	CHANUTE 69KV	34.903	0.00262	-0.50715	26
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50453	WERE	CITY OF AUGUSTA 69KV	15.285	0.00077	-0.5053	26
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50453	WERE	CITY OF IOLA 69KV	19.902	0.00308	-0.50761	26
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50453	WERE	CITY OF WELLINGTON 69KV	20	-0.00245	-0.50208	26
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50453	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0.0049	-0.50943	26
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50453	WERE	WACO 138KV	17.414	-0.00419	-0.50034	26
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39912	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0295	-0.42862	31
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39912	WERE	JEFFREY ENERGY CENTER 345KV	945.0371	0.03066	-0.42978	31
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39912	WERE	LAWRENCE ENERGY CENTER 230KV	132.2974	0.01926	-0.41838	31
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39912	WERE	SMOKYHIL 230 230KV	17	0.03122	-0.43034	31
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39873	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0295	-0.42823	31
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39873	WERE	JEFFREY ENERGY CENTER 345KV	945.0371	0.03066	-0.42939	31
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39873	WERE	LAWRENCE ENERGY CENTER 230KV	132.2974	0.01926	-0.41799	31
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39873	WERE	SMOKYHIL 230 230KV	17	0.03122	-0.42995	31
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39912	WERE	CHANUTE 69KV	34.903	0.00262	-0.40174	33
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39912	WERE	CITY OF AUGUSTA 69KV	15.285	0.00077	-0.39989	33
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39912	WERE	CITY OF IOLA 69KV	19.902	0.00308	-0.4022	33
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39912	WERE	CITY OF WELLINGTON 69KV	20	-0.00245	-0.39667	33
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39912	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0.0049	-0.40402	33

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

WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.39912	WERE	WACO 138KV	17.414	-0.00419	-0.39493	33
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39873	WERE	CHANUTE 69KV	34.903	0.00262	-0.40135	33
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39873	WERE	CITY OF AUGUSTA 69KV	15.285	0.00077	-0.3995	33
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39873	WERE	CITY OF IOLA 69KV	19.902	0.00308	-0.40181	33
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39873	WERE	CITY OF WELLINGTON 69KV	20	-0.00245	-0.39628	33
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39873	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0.0049	-0.40363	33
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39873	WERE	WACO 138KV	17.414	-0.00419	-0.39454	33
MIDW	PAWNEE 115KV	999	-0.21381	MIDW	KNOLL 3 115 115KV	80.00001	-0.09075	-0.12306	107
MIDW	RICE 115KV	999	-0.21381	MIDW	KNOLL 3 115 115KV	80.00001	-0.09075	-0.12306	107
WERE	GILL ENERGY CENTER 138KV	218	-0.00473	WERE	JEFFREY ENERGY CENTER 345KV	945.0371	0.03066	-0.03539	372
WERE	GILL ENERGY CENTER 138KV	218	-0.00473	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0295	-0.03423	384
WERE	EVANS ENERGY CENTER 138KV	947	0.00054	WERE	JEFFREY ENERGY CENTER 345KV	945.0371	0.03066	-0.03012	437

Maximum Decrement and Maximum Increment were determine from the 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: 573725737415687256873122 11WP
Date Redispatch Needed: 12/1/11 - 4/1/12
Season Flowgate Identified:

Reservation	Relief Amount	Aggregate Relief Amount
1090310	0.1	20.7
1090325	1.0	20.7
1090327	0.4	20.7
1090329	1.4	20.7
1090331	0.4	20.7
1090332	1.8	20.7
1090334	0.4	20.7
1090377	1.2	20.7
1090378	0.3	20.7
1090382	0.7	20.7
1090383	0.2	20.7
1090817	0.9	20.7
1090826	1.3	20.7
1090839	1.3	20.7
1090841	1.3	20.7
1090844	0.4	20.7
1090852	0.4	20.7
1090853	0.8	20.7
1090854	0.4	20.7
1090917	0.3	20.7
1090919	0.1	20.7
1090920	0.6	20.7
1090921	0.2	20.7
1090922	1.8	20.7
1090934	0.9	20.7
1090935	0.2	20.7
1090964	1.1	20.7
1090965	0.4	20.7
1091057	0.4	20.7

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	-0.50444	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02947	-0.53391	39
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50444	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03064	-0.53508	39
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50444	WERE	TECUMSEH ENERGY CENTER 115KV	25.83838	0.02217	-0.52661	39
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50444	WERE	LAWRENCE ENERGY CENTER 230KV	172.5793	0.01914	-0.52358	40
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50444	WERE	CHANUTE 69KV	44.738	0.00262	-0.50706	41
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50444	WERE	CITY OF IOLA 69KV	16.378	0.00308	-0.50752	41
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50444	WERE	CITY OF WELLINGTON 69KV	20	-0.00246	-0.50198	41
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50444	WERE	EVANS ENERGY CENTER 138KV	55	0.00055	-0.50499	41
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50444	WERE	WACO 138KV	17.96	-0.00418	-0.50026	41
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.39903	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02947	-0.4285	48
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.39903	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03064	-0.42967	48
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39864	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02947	-0.42811	48
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39864	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03064	-0.42928	48
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.39903	WERE	TECUMSEH ENERGY CENTER 115KV	25.83838	0.02217	-0.4212	49
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39864	WERE	TECUMSEH ENERGY CENTER 115KV	25.83838	0.02217	-0.42081	49
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.39903	WERE	LAWRENCE ENERGY CENTER 230KV	172.5793	0.01914	-0.41817	50
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39864	WERE	LAWRENCE ENERGY CENTER 230KV	172.5793	0.01914	-0.41778	50
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.39903	WERE	CHANUTE 69KV	44.738	0.00262	-0.40165	52
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.39903	WERE	CITY OF WELLINGTON 69KV	20	-0.00246	-0.39657	52
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.39903	WERE	EVANS ENERGY CENTER 138KV	55	0.00055	-0.39958	52
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39864	WERE	CHANUTE 69KV	44.738	0.00262	-0.40126	52
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39864	WERE	CITY OF WELLINGTON 69KV	20	-0.00246	-0.39618	52
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39864	WERE	EVANS ENERGY CENTER 138KV	55	0.00055	-0.39919	52
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.39903	WERE	WACO 138KV	17.96	-0.00418	-0.39485	53
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.39864	WERE	WACO 138KV	17.96	-0.00418	-0.39446	53
WERE	GILL ENERGY CENTER 138KV	218	-0.00472	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03064	-0.03536	586
WERE	GILL ENERGY CENTER 138KV	218	-0.00472	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02947	-0.03419	606
WERE	EVANS ENERGY CENTER 138KV	892	0.00055	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03064	-0.03009	689

Maximum Decrement and Maximum Increment were determine from the 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: 573745743815687256873122 06WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090964	3.3	4.3
1090965	1.0	4.3

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	-0.24272	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01614	-0.25886	17
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24272	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.01675	-0.25947	17
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24272	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.01058	-0.2533	17
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24272	WERE	CHANUTE 69KV	35.344	0.00147	-0.24419	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24272	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00053	-0.24325	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24272	WERE	CITY OF IOLA 69KV	13.978	0.00171	-0.24443	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24272	WERE	CITY OF WELLINGTON 69KV	24	-0.00126	-0.24146	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24272	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00279	-0.24551	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24272	WERE	WACO 138KV	17.953	-0.00216	-0.24056	18
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.19666	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01614	-0.2128	20
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.19666	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.01675	-0.21341	20
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19657	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01614	-0.21271	20
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19657	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.01675	-0.21332	20
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.19666	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.01058	-0.20724	21
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19657	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.01058	-0.20715	21
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.19666	WERE	CHANUTE 69KV	35.344	0.00147	-0.19813	22
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.19666	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00053	-0.19719	22
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.19666	WERE	CITY OF IOLA 69KV	13.978	0.00171	-0.19837	22
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.19666	WERE	CITY OF WELLINGTON 69KV	24	-0.00126	-0.1954	22
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.19666	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00279	-0.19945	22
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.19666	WERE	WACO 138KV	17.953	-0.00216	-0.1945	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19657	WERE	CHANUTE 69KV	35.344	0.00147	-0.19804	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19657	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00053	-0.1971	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19657	WERE	CITY OF IOLA 69KV	13.978	0.00171	-0.19828	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19657	WERE	CITY OF WELLINGTON 69KV	24	-0.00126	-0.19531	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19657	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00279	-0.19936	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19657	WERE	WACO 138KV	17.953	-0.00216	-0.19441	22
WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.10331	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.06334	-0.03997	108

Maximum Decrement and Maximum Increment were determine from the 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
1090964	1.2	1.5
1090965	0.4	1.5

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	-0.24245	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.30005	5
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	CHANUTE 69KV	40.39	0.00149	-0.24394	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	CITY OF AUGUSTA 69KV	20.02	0.00057	-0.24302	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	CITY OF BURLINGTON 69KV	4.8	0.00281	-0.24526	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	CITY OF ERIE 69KV	2.411	0.00149	-0.24394	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	CITY OF FREDONIA 69KV	2.01	0.00119	-0.24364	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	CITY OF GIRARD 69KV	2.526	0.00153	-0.24398	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	CITY OF IOLA 69KV	17.08	0.00172	-0.24417	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	CITY OF MULVANE 69KV	4.922	-0.00044	-0.24201	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	CITY OF WELLINGTON 69KV	40.503	-0.00121	-0.24124	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	0.00281	-0.24526	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	EVANS ENERGY CENTER 138KV	305	0.00045	-0.2429	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	GILL ENERGY CENTER 138KV	77	-0.00238	-0.24007	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01615	-0.2586	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01674	-0.25919	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.01004	-0.25249	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	LAWRENCE ENERGY CENTER 230KV	228.8978	0.01055	-0.253	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.01215	-0.2546	6
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	WACO 138KV	18	-0.00209	-0.24036	6
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.25386	6
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.25377	6
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01615	-0.21241	7
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01674	-0.213	7
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	LAWRENCE ENERGY CENTER 230KV	228.8978	0.01055	-0.20681	7
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.01215	-0.20841	7
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01615	-0.21232	7
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01674	-0.21291	7
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	LAWRENCE ENERGY CENTER 230KV	228.8978	0.01055	-0.20672	7
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.01215	-0.20832	7
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	CHANUTE 69KV	40.39	0.00149	-0.19775	8
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	CITY OF AUGUSTA 69KV	20.02	0.00057	-0.19683	8
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	CITY OF BURLINGTON 69KV	4.8	0.00281	-0.19907	8
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	CITY OF IOLA 69KV	17.08	0.00172	-0.19798	8
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	CITY OF MULVANE 69KV	4.922	-0.00044	-0.19582	8
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	CITY OF WELLINGTON 69KV	40.503	-0.00121	-0.19505	8
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	0.00281	-0.19907	8
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	EVANS ENERGY CENTER 138KV	305	0.00045	-0.19671	8
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	GILL ENERGY CENTER 138KV	77	-0.00238	-0.19388	8
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.01004	-0.2063	8
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.19626	WERE	WACO 138KV	18	-0.00209	-0.19417	8
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	CHANUTE 69KV	40.39	0.00149	-0.19766	8
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	CITY OF AUGUSTA 69KV	20.02	0.00057	-0.19674	8
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	CITY OF BURLINGTON 69KV	4.8	0.00281	-0.19898	8
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	CITY OF IOLA 69KV	17.08	0.00172	-0.19789	8
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	CITY OF MULVANE 69KV	4.922	-0.00044	-0.19573	8
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	CITY OF WELLINGTON 69KV	40.503	-0.00121	-0.19496	8
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	0.00281	-0.19898	8
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	EVANS ENERGY CENTER 138KV	305	0.00045	-0.19662	8
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	GILL ENERGY CENTER 138KV	77	-0.00238	-0.19379	8
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.01004	-0.20621	8
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.19617	WERE	WACO 138KV	18	-0.00209	-0.19408	8
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.16968	9
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01615	-0.12823	12

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

WERE	ST JOHN 115KV	7.5	-0.11208	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01674	-0.12882	12
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	TECUMSEH ENERGY CENTER 115KV	68.00001	0.01215	-0.12423	12
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	CITY OF BURLINGTON 69KV	4.8	0.00281	-0.11489	13
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	0.00281	-0.11489	13
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.01004	-0.12212	13
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	LAWRENCE ENERGY CENTER 230KV	228.8978	0.01055	-0.12263	13
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	CHANUTE 69KV	40.39	0.00149	-0.11357	14
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	CITY OF AUGUSTA 69KV	20.02	0.00057	-0.11265	14
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	CITY OF IOLA 69KV	17.08	0.00172	-0.1138	14
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	CITY OF MULVANE 69KV	4.922	-0.00044	-0.11164	14
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	CITY OF WELLINGTON 69KV	40.503	-0.00121	-0.11087	14
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	EVANS ENERGY CENTER 138KV	305	0.00045	-0.11253	14
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	GILL ENERGY CENTER 138KV	77	-0.00238	-0.1097	14
WERE	ST JOHN 115KV	7.5	-0.11208	WERE	WACO 138KV	18	-0.00209	-0.10999	14
WERE	GILL ENERGY CENTER 138KV	118	-0.00238	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.05998	26
WERE	GILL ENERGY CENTER 69KV	118	-0.00166	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.05926	26
WERE	CITY OF MULVANE 69KV	10.868	-0.00044	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.05804	27
WERE	CITY OF WINFIELD 69KV	40	-0.00069	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.05829	27
WERE	EVANS ENERGY CENTER 138KV	488	0.00045	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.05715	27
WERE	GETTY 69KV	35	0.00079	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.05681	27
WERE	CHANUTE 69KV	47.41	0.00149	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.05611	28
WERE	CITY OF ERIE 69KV	24.119	0.00149	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.05611	28
WERE	CITY OF IOLA 69KV	20.548	0.00172	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.05588	28
WERE	LATHAM1234.0 345KV	150	0.00139	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.05621	28
WERE	NEOSHO ENERGY CENTER 138KV	67	0.00144	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.05616	28
WERE	SOUTH SENECA 115KV	16.7	0.00284	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.05476	28
WERE	HOLTON 115KV	19.8	0.00862	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.04898	32
WERE	LAWRENCE ENERGY CENTER 115KV	78	0.01004	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.04756	33
WERE	LAWRENCE ENERGY CENTER 230KV	40.10217	0.01055	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.04705	33
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.24245	WERE	HUTCHINSON ENERGY CENTER 115KV	80.00001	-0.19626	-0.04619	34
WERE	TECUMSEH ENERGY CENTER 115KV	123	0.01215	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.04545	34
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.01236	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.04524	34
WERE	JEFFREY ENERGY CENTER 230KV	24	0.01615	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.04145	37
WERE	JEFFREY ENERGY CENTER 345KV	42	0.01674	WERE	ABILENE ENERGY CENTER 115KV	16.29102	0.0576	-0.04086	38
WEPL	A. M. MULLERGREN GENERATOR 115KV	42.28732	-0.09786	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.06325	-0.03461	45
WEPL	A. M. MULLERGREN GENERATOR 115KV	42.28732	-0.09786	WEPL	JUDSON LARGE 115KV	46.96565	-0.06317	-0.03469	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: 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: 57374574381568725687312207SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1090817	1.7	4.8
1090964	2.4	4.8
1090965	0.7	4.8

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	-0.23468	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.04033	-0.27501	17
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01374	-0.24842	19
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01427	-0.24895	19
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	CHANUTE 69KV	46.617	0.00121	-0.23589	20
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	CITY OF AUGUSTA 69KV	20.02	0.00038	-0.23506	20
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	CITY OF ERIE 69KV	23.258	0.00121	-0.23589	20
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	CITY OF IOLA 69KV	19.865	0.00142	-0.2361	20
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00231	-0.23699	20
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	EVANS ENERGY CENTER 138KV	269.458	0.00027	-0.23495	20
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.00852	-0.2432	20
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.00896	-0.24364	20
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.01035	-0.24503	20
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00112	-0.23356	21
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	GILL ENERGY CENTER 138KV	77	-0.00218	-0.2325	21
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	WACO 138KV	17.947	-0.00193	-0.23275	21
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.04033	-0.22601	21
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	CLAY CENTER JUNCTION 115KV	11.825	0.04033	-0.22592	21
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01374	-0.19942	24
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01427	-0.19995	24
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01374	-0.19933	24
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01427	-0.19986	24
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.00852	-0.1942	25
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.00896	-0.19464	25
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.01035	-0.19603	25
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	LAWRENCE ENERGY CENTER 115KV	60	0.00852	-0.19411	25
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	LAWRENCE ENERGY CENTER 230KV	230.9805	0.00896	-0.19455	25
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.01035	-0.19594	25
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	CHANUTE 69KV	46.617	0.00121	-0.18689	26
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	CITY OF AUGUSTA 69KV	20.02	0.00038	-0.18606	26
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	CITY OF ERIE 69KV	23.258	0.00121	-0.18689	26
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	CITY OF IOLA 69KV	19.865	0.00142	-0.1871	26
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00112	-0.18456	26
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00231	-0.18799	26
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	EVANS ENERGY CENTER 138KV	269.458	0.00027	-0.18595	26
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	GILL ENERGY CENTER 138KV	77	-0.00218	-0.1835	26
WERE	HUTCHINSON ENERGY CENTER 115KV	303	-0.18568	WERE	WACO 138KV	17.947	-0.00193	-0.18375	26
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	CHANUTE 69KV	46.617	0.00121	-0.1868	26
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	CITY OF AUGUSTA 69KV	20.02	0.00038	-0.18597	26
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	CITY OF ERIE 69KV	23.258	0.00121	-0.1868	26
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	CITY OF IOLA 69KV	19.865	0.00142	-0.18701	26
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	CITY OF WELLINGTON 69KV	31.07001	-0.00112	-0.18447	26
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00231	-0.1879	26
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	EVANS ENERGY CENTER 138KV	269.458	0.00027	-0.18586	26
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	GILL ENERGY CENTER 138KV	77	-0.00218	-0.18341	26
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18559	WERE	WACO 138KV	17.947	-0.00193	-0.18366	26
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23468	WERE	HUTCHINSON ENERGY CENTER 115KV	80.00001	-0.18568	-0.049	98

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: 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
1090817	2.3	6.5
1090964	3.3	6.5
1090965	0.9	6.5

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	-0.23467	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01375	-0.24842	26
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23467	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01428	-0.24895	26
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23467	WERE	LAWRENCE ENERGY CENTER 230KV	131.729	0.00897	-0.24364	27
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23467	WERE	CHANUTE 69KV	34.818	0.00122	-0.23589	28
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23467	WERE	CITY OF AUGUSTA 69KV	14.628	0.00039	-0.23506	28
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23467	WERE	CITY OF IOLA 69KV	14.565	0.00142	-0.23609	28
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23467	WERE	CITY OF WELLINGTON 69KV	20	-0.00111	-0.23356	28
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23467	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.95	0.00232	-0.23699	28
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23467	WERE	EVANS ENERGY CENTER 138KV	44.34082	0.00028	-0.23495	28
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23467	WERE	WACO 138KV	17.93	-0.00192	-0.23275	28
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.18566	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01375	-0.19941	33
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.18566	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01428	-0.19994	33
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.18566	WERE	LAWRENCE ENERGY CENTER 230KV	131.729	0.00897	-0.19463	33
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18557	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01375	-0.19932	33
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18557	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01428	-0.19985	33
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18557	WERE	LAWRENCE ENERGY CENTER 230KV	131.729	0.00897	-0.19454	34
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.18566	WERE	CHANUTE 69KV	34.818	0.00122	-0.18688	35
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.18566	WERE	CITY OF AUGUSTA 69KV	14.628	0.00039	-0.18605	35
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.18566	WERE	CITY OF IOLA 69KV	14.565	0.00142	-0.18708	35
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.18566	WERE	CITY OF WELLINGTON 69KV	20	-0.00111	-0.18455	35
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.18566	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.95	0.00232	-0.18798	35
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.18566	WERE	EVANS ENERGY CENTER 138KV	44.34082	0.00028	-0.18594	35
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.18566	WERE	WACO 138KV	17.93	-0.00192	-0.18374	35
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18557	WERE	CHANUTE 69KV	34.818	0.00122	-0.18679	35
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18557	WERE	CITY OF AUGUSTA 69KV	14.628	0.00039	-0.18596	35
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18557	WERE	CITY OF IOLA 69KV	14.565	0.00142	-0.18699	35
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18557	WERE	CITY OF WELLINGTON 69KV	20	-0.00111	-0.18446	35
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18557	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.95	0.00232	-0.18789	35
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18557	WERE	EVANS ENERGY CENTER 138KV	44.34082	0.00028	-0.18585	35
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18557	WERE	WACO 138KV	17.93	-0.00192	-0.18365	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: 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	1.0	11.9
1090327	0.3	11.9
1090817	0.6	11.9
1090826	1.0	11.9
1090839	1.0	11.9
1090841	1.0	11.9
1090844	0.3	11.9
1090852	0.3	11.9
1090853	0.5	11.9
1090854	0.2	11.9
1090917	0.3	11.9
1090919	0.1	11.9
1090920	0.7	11.9
1090921	0.2	11.9
1090922	1.9	11.9
1090934	1.0	11.9
1090935	0.2	11.9
1090964	0.9	11.9
1090965	0.3	11.9
1091057	0.3	11.9

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	-0.23462	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01372	-0.24834	48
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23462	WERE	JEFFREY ENERGY CENTER 345KV	945.0371	0.01426	-0.24888	48
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23462	WERE	SMOKYHIL 230 230KV	17	0.01452	-0.24914	48
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23462	WERE	LAWRENCE ENERGY CENTER 230KV	132.2974	0.00896	-0.24358	49
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23462	WERE	CHANUTE 69KV	34.903	0.00122	-0.23584	50
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23462	WERE	CITY OF IOLA 69KV	19.902	0.00143	-0.23605	50
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23462	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0.00228	-0.2369	50
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23462	WERE	CITY OF WELLINGTON 69KV	20	-0.00114	-0.23348	51
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23462	WERE	WACO 138KV	17.414	-0.00195	-0.23267	51
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.18561	WERE	JEFFREY ENERGY CENTER 345KV	945.0371	0.01426	-0.19987	59
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18542	WERE	JEFFREY ENERGY CENTER 345KV	945.0371	0.01426	-0.19968	59
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.18561	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01372	-0.19933	60
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18542	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01372	-0.19914	60
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.18561	WERE	LAWRENCE ENERGY CENTER 230KV	132.2974	0.00896	-0.19457	61
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18542	WERE	LAWRENCE ENERGY CENTER 230KV	132.2974	0.00896	-0.19438	61
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.18561	WERE	CHANUTE 69KV	34.903	0.00122	-0.18683	64
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18542	WERE	CHANUTE 69KV	34.903	0.00122	-0.18664	64

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

MIDW	PAWNEE 115KV	999	-0.09943	MIDW	KNOLL 3 115 115KV	80.00001	-0.0422	-0.05723	208
MIDW	RICE 115KV	999	-0.09943	MIDW	KNOLL 3 115 115KV	80.00001	-0.0422	-0.05723	208

Maximum Decrement and Maximum Increment were determine from the 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: 573745743815687256873122 11WP
Date Redispatch Needed: 12/1/11 - 4/1/12
Season Flowgate Identified:

Reservation	Relief Amount	Aggregate Relief Amount
1090325	0.7	14.6
1090327	0.2	14.6
1090329	0.9	14.6
1090331	0.3	14.6
1090332	1.3	14.6
1090334	0.3	14.6
1090377	0.9	14.6
1090378	0.2	14.6
1090382	0.5	14.6
1090383	0.2	14.6
1090817	0.6	14.6
1090826	1.0	14.6
1090839	1.0	14.6
1090841	1.0	14.6
1090844	0.3	14.6
1090852	0.3	14.6
1090853	0.5	14.6
1090854	0.2	14.6
1090917	0.2	14.6
1090919	0.1	14.6
1090920	0.4	14.6
1090921	0.1	14.6
1090922	1.3	14.6
1090934	0.6	14.6
1090935	0.2	14.6
1090964	0.9	14.6
1090965	0.3	14.6
1091057	0.3	14.6

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	59
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23458	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01425	-0.24883	59
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23458	WERE	TECUMSEH ENERGY CENTER 115KV	25.83838	0.01031	-0.24489	59
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23458	WERE	LAWRENCE ENERGY CENTER 230KV	172.5793	0.0089	-0.24348	60
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23458	WERE	CHANUTE 69KV	44.738	0.00122	-0.2358	62
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.23458	WERE	EVANS ENERGY CENTER 138KV	55	0.00025	-0.23483	62
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.18556	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0137	-0.19926	73
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.18556	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01425	-0.19981	73
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18538	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0137	-0.19908	73
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18538	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01425	-0.19963	73
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.18556	WERE	TECUMSEH ENERGY CENTER 115KV	25.83838	0.01031	-0.19587	74
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18538	WERE	TECUMSEH ENERGY CENTER 115KV	25.83838	0.01031	-0.19569	74
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.18556	WERE	LAWRENCE ENERGY CENTER 230KV	172.5793	0.0089	-0.19446	75
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18538	WERE	LAWRENCE ENERGY CENTER 230KV	172.5793	0.0089	-0.19428	75
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.18556	WERE	CHANUTE 69KV	44.738	0.00122	-0.18678	78
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.18556	WERE	EVANS ENERGY CENTER 138KV	55	0.00025	-0.18581	78
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18538	WERE	CHANUTE 69KV	44.738	0.00122	-0.1866	78
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.18538	WERE	EVANS ENERGY CENTER 138KV	55	0.00025	-0.18563	78

Maximum Decrement and Maximum Increment were determine from the 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 06WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090964	3.8	4.9
1090965	1.1	4.9

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	-0.27922	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01856	-0.29778	17
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.27922	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.01927	-0.29849	17
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.27922	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.01217	-0.29139	17
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.27922	WERE	CHANUTE 69KV	35.344	0.00169	-0.28091	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.27922	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00061	-0.27983	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.27922	WERE	CITY OF IOLA 69KV	13.978	0.00197	-0.28119	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.27922	WERE	CITY OF WELLINGTON 69KV	24	-0.00145	-0.27777	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.27922	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00321	-0.28243	18
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.27922	WERE	WACO 138KV	17.953	-0.00249	-0.27673	18
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.22623	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01856	-0.24479	20
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.22623	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.01927	-0.2455	20
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22613	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01856	-0.24469	20
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22613	WERE	JEFFREY ENERGY CENTER 345KV	921.5044	0.01927	-0.2454	20
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.22623	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.01217	-0.2384	21
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22613	WERE	LAWRENCE ENERGY CENTER 230KV	132.6824	0.01217	-0.2383	21
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.22623	WERE	CHANUTE 69KV	35.344	0.00169	-0.22792	22
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.22623	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00061	-0.22684	22
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.22623	WERE	CITY OF IOLA 69KV	13.978	0.00197	-0.2282	22
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.22623	WERE	CITY OF WELLINGTON 69KV	24	-0.00145	-0.22478	22

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

WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.22623	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00321	-0.22944	22
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.22623	WERE	WACO 138KV	17.953	-0.00249	-0.22374	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22613	WERE	CHANUTE 69KV	35.344	0.00169	-0.22782	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22613	WERE	CITY OF AUGUSTA 69KV	17.25201	0.00061	-0.22674	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22613	WERE	CITY OF IOLA 69KV	13.978	0.00197	-0.2281	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22613	WERE	CITY OF WELLINGTON 69KV	24	-0.00145	-0.22468	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22613	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.00321	-0.22934	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22613	WERE	WACO 138KV	17.953	-0.00249	-0.22364	22
WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.11885	WEPL	GRAY COUNTY WIND FARM 115KV	73	-0.07287	-0.04598	108

Maximum Decrement and Maximum Increment were determine from the 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
1090817	1.2	3.3
1090964	1.6	3.3
1090965	0.5	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	-0.26996	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.0464	-0.31636	10
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26996	WERE	CHANUTE 69KV	34.818	0.0014	-0.27136	12
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26996	WERE	CITY OF AUGUSTA 69KV	14.628	0.00044	-0.2704	12
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26996	WERE	CITY OF BURLINGTON 69KV	4.8	0.00267	-0.27263	12
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26996	WERE	CITY OF IOLA 69KV	14.565	0.00164	-0.2716	12
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26996	WERE	CITY OF WELLINGTON 69KV	20	-0.00128	-0.26868	12
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26996	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.95	0.00267	-0.27263	12
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26996	WERE	EVANS ENERGY CENTER 138KV	44.34082	0.00032	-0.27028	12
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26996	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01582	-0.28578	12
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26996	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01643	-0.28639	12
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26996	WERE	LAWRENCE ENERGY CENTER 230KV	131.729	0.01032	-0.28028	12
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26996	WERE	WACO 138KV	17.93	-0.00221	-0.26775	12
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21358	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.0464	-0.25998	13
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21348	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.0464	-0.25988	13
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21358	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01582	-0.2294	14
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21358	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01643	-0.23001	14
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21348	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01582	-0.2293	14
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21348	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01643	-0.22991	14
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21358	WERE	CHANUTE 69KV	34.818	0.0014	-0.21498	15
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21358	WERE	CITY OF IOLA 69KV	14.565	0.00164	-0.21522	15
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21358	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.95	0.00267	-0.21625	15
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21358	WERE	LAWRENCE ENERGY CENTER 230KV	131.729	0.01032	-0.2239	15
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21348	WERE	CHANUTE 69KV	34.818	0.0014	-0.21488	15
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21348	WERE	CITY OF IOLA 69KV	14.565	0.00164	-0.21512	15
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21348	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.95	0.00267	-0.21615	15
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21348	WERE	LAWRENCE ENERGY CENTER 230KV	131.729	0.01032	-0.2238	15
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21358	WERE	CITY OF AUGUSTA 69KV	14.628	0.00044	-0.21402	16
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21358	WERE	CITY OF WELLINGTON 69KV	20	-0.00128	-0.2123	16
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21358	WERE	EVANS ENERGY CENTER 138KV	44.34082	0.00032	-0.2139	16
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21358	WERE	WACO 138KV	17.93	-0.00221	-0.21137	16
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21348	WERE	CITY OF AUGUSTA 69KV	14.628	0.00044	-0.21392	16
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21348	WERE	CITY OF WELLINGTON 69KV	20	-0.00128	-0.2122	16
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21348	WERE	EVANS ENERGY CENTER 138KV	44.34082	0.00032	-0.2138	16
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21348	WERE	WACO 138KV	17.93	-0.00221	-0.21127	16
WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.09386	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.05911	-0.03475	96

Maximum Decrement and Maximum Increment were determine from the 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	0.2	2.3
1090327	0.1	2.3
1090817	0.1	2.3
1090826	0.1	2.3
1090839	0.1	2.3
1090841	0.1	2.3
1090844	0.1	2.3
1090852	0.1	2.3
1090853	0.1	2.3
1090854	0.1	2.3
1090917	0.0	2.3
1090919	0.0	2.3
1090920	0.1	2.3
1090921	0.1	2.3
1090922	0.3	2.3
1090934	0.1	2.3
1090935	0.1	2.3
1090964	0.1	2.3
1090965	0.1	2.3
1091057	0.1	2.3

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	-0.26991	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.04638	-0.31629	7
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26991	WERE	CHANUTE 69KV	34.903	0.0014	-0.27131	8

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

WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26991	WERE	CITY OF AUGUSTA 69KV	15.285	0.00041	-0.27032	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26991	WERE	CITY OF BURLINGTON 69KV	4.8	0.00262	-0.27253	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26991	WERE	CITY OF IOLA 69KV	19.902	0.00165	-0.27156	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26991	WERE	CITY OF MULVANE 69KV	3.921	-0.00059	-0.26932	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26991	WERE	CITY OF WELLINGTON 69KV	20	-0.00131	-0.2686	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26991	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0.00262	-0.27253	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26991	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01578	-0.28569	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26991	WERE	JEFFREY ENERGY CENTER 345KV	945.0371	0.0164	-0.28631	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26991	WERE	LAWRENCE ENERGY CENTER 230KV	132.2974	0.0103	-0.28021	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26991	WERE	SMOKYHIL 230 230KV	17	0.0167	-0.28661	8
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26991	WERE	WACO 138KV	17.414	-0.00224	-0.26767	9
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21352	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.04638	-0.2599	9
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21331	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.04638	-0.25969	9
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21352	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01578	-0.2293	10
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21352	WERE	JEFFREY ENERGY CENTER 345KV	945.0371	0.0164	-0.22992	10
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21352	WERE	LAWRENCE ENERGY CENTER 230KV	132.2974	0.0103	-0.22382	10
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21352	WERE	SMOKYHIL 230 230KV	17	0.0167	-0.23022	10
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21331	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01578	-0.22909	10
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21331	WERE	JEFFREY ENERGY CENTER 345KV	945.0371	0.0164	-0.22971	10
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21331	WERE	LAWRENCE ENERGY CENTER 230KV	132.2974	0.0103	-0.22361	10
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21331	WERE	SMOKYHIL 230 230KV	17	0.0167	-0.23001	10
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21352	WERE	CHANUTE 69KV	34.903	0.0014	-0.21492	11
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21352	WERE	CITY OF AUGUSTA 69KV	15.285	0.00041	-0.21393	11
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21352	WERE	CITY OF BURLINGTON 69KV	4.8	0.00262	-0.21614	11
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21352	WERE	CITY OF IOLA 69KV	19.902	0.00165	-0.21517	11
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21352	WERE	CITY OF MULVANE 69KV	3.921	-0.00059	-0.21293	11
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21352	WERE	CITY OF WELLINGTON 69KV	20	-0.00131	-0.21221	11
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21352	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0.00262	-0.21614	11
WERE	HUTCHINSON ENERGY CENTER 115KV	423	-0.21352	WERE	WACO 138KV	17.414	-0.00224	-0.21128	11
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21331	WERE	CHANUTE 69KV	34.903	0.0014	-0.21471	11
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21331	WERE	CITY OF AUGUSTA 69KV	15.285	0.00041	-0.21372	11
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21331	WERE	CITY OF BURLINGTON 69KV	4.8	0.00262	-0.21593	11
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21331	WERE	CITY OF IOLA 69KV	19.902	0.00165	-0.21496	11
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21331	WERE	CITY OF MULVANE 69KV	3.921	-0.00059	-0.21272	11
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21331	WERE	CITY OF WELLINGTON 69KV	20	-0.00131	-0.212	11
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21331	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0.00262	-0.21593	11
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21331	WERE	WACO 138KV	17.414	-0.00224	-0.21107	11
WERE	ST JOHN 115KV	7.5	-0.11438	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.04638	-0.16076	14
WERE	ST JOHN 115KV	7.5	-0.11438	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01578	-0.13016	17
WERE	ST JOHN 115KV	7.5	-0.11438	WERE	JEFFREY ENERGY CENTER 345KV	945.0371	0.0164	-0.13078	17
WERE	ST JOHN 115KV	7.5	-0.11438	WERE	SMOKYHIL 230 230KV	17	0.0167	-0.13108	17
WERE	ST JOHN 115KV	7.5	-0.11438	WERE	LAWRENCE ENERGY CENTER 230KV	132.2974	0.0103	-0.12468	18
WERE	ST JOHN 115KV	7.5	-0.11438	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0.00262	-0.117	19
WERE	ST JOHN 115KV	7.5	-0.11438	WERE	CHANUTE 69KV	34.903	0.0014	-0.11578	20
WERE	ST JOHN 115KV	7.5	-0.11438	WERE	CITY OF AUGUSTA 69KV	15.285	0.00041	-0.11479	20
WERE	ST JOHN 115KV	7.5	-0.11438	WERE	CITY OF IOLA 69KV	19.902	0.00165	-0.11603	20
WERE	ST JOHN 115KV	7.5	-0.11438	WERE	CITY OF WELLINGTON 69KV	20	-0.00131	-0.11307	20
WERE	ST JOHN 115KV	7.5	-0.11438	WERE	WACO 138KV	17.414	-0.00224	-0.11214	20
MIDW	PAWNEE 115KV	999	-0.11438	MIDW	KNOLL 3 115 115KV	80.00001	-0.04855	-0.06583	35
MIDW	RICE 115KV	999	-0.11438	MIDW	KNOLL 3 115 115KV	80.00001	-0.04855	-0.06583	35
WEPL	A. M. MULLERGREN GENERATOR 115KV	63	-0.09374	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.05965	-0.03409	67

Maximum Decrement and Maximum Increment were determine from the 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: 5737457438256872568731221 1WP
Date Redispatch Needed: 12/1/11 - 4/1/12
Season Flowgate Identified:

Reservation	Relief Amount	Aggregate Relief Amount
1090325	0.3	6.3
1090327	0.1	6.3
1090329	0.4	6.3
1090331	0.1	6.3
1090332	0.5	6.3
1090334	0.2	6.3
1090377	0.4	6.3
1090378	0.1	6.3
1090382	0.2	6.3
1090383	0.1	6.3
1090817	0.3	6.3
1090826	0.4	6.3
1090839	0.4	6.3
1090841	0.4	6.3
1090844	0.1	6.3
1090852	0.1	6.3
1090853	0.2	6.3
1090854	0.1	6.3
1090917	0.1	6.3
1090919	0.1	6.3
1090920	0.2	6.3
1090921	0.0	6.3
1090922	0.5	6.3
1090934	0.3	6.3
1090935	0.1	6.3
1090964	0.4	6.3
1090965	0.1	6.3
1091057	0.1	6.3

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	-0.26986	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01577	-0.28563	22
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26986	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01639	-0.28625	22
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26986	WERE	SMOKYHIL 230 230KV	11	0.01673	-0.28659	22
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26986	WERE	TECUMSEH ENERGY CENTER 115KV	25.83838	0.01186	-0.28172	22
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26986	WERE	CHANUTE 69KV	44.738	0.0014	-0.27126	23
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26986	WERE	CITY OF AUGUSTA 69KV	12.42	0.00043	-0.27029	23
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26986	WERE	CITY OF IOLA 69KV	16.378	0.00165	-0.27151	23

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

WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26986	WERE	EVANS ENERGY CENTER 138KV	55	0.00029	-0.27015	23
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26986	WERE	LAWRENCE ENERGY CENTER 230KV	172.5793	0.01024	-0.2801	23
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26986	WERE	CITY OF WELLINGTON 69KV	20	-0.00132	-0.26854	24
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.26986	WERE	WACO 138KV	17.96	-0.00224	-0.26762	24
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.21347	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01577	-0.22924	28
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.21347	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01639	-0.22986	28
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.21347	WERE	LAWRENCE ENERGY CENTER 230KV	172.5793	0.01024	-0.22371	28
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.21347	WERE	SMOKYHIL 230 230KV	11	0.01673	-0.2302	28
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.21347	WERE	TECUMSEH ENERGY CENTER 115KV	25.83838	0.01186	-0.22533	28
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21326	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01577	-0.22903	28
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21326	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01639	-0.22965	28
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21326	WERE	LAWRENCE ENERGY CENTER 230KV	172.5793	0.01024	-0.2235	28
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21326	WERE	SMOKYHIL 230 230KV	11	0.01673	-0.22999	28
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21326	WERE	TECUMSEH ENERGY CENTER 115KV	25.83838	0.01186	-0.22512	28
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.21347	WERE	CHANUTE 69KV	44.738	0.0014	-0.21487	29
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.21347	WERE	CITY OF IOLA 69KV	16.378	0.00165	-0.21512	29
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21326	WERE	CITY OF IOLA 69KV	16.378	0.00165	-0.21491	29
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.21347	WERE	CITY OF AUGUSTA 69KV	12.42	0.00043	-0.2139	30
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.21347	WERE	CITY OF WELLINGTON 69KV	20	-0.00132	-0.21215	30
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.21347	WERE	EVANS ENERGY CENTER 138KV	55	0.00029	-0.21376	30
WERE	HUTCHINSON ENERGY CENTER 115KV	383	-0.21347	WERE	WACO 138KV	17.96	-0.00224	-0.21123	30
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21326	WERE	CHANUTE 69KV	44.738	0.0014	-0.21466	30
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21326	WERE	CITY OF AUGUSTA 69KV	12.42	0.00043	-0.21369	30
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21326	WERE	CITY OF WELLINGTON 69KV	20	-0.00132	-0.21194	30
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21326	WERE	EVANS ENERGY CENTER 138KV	55	0.00029	-0.21355	30
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.21326	WERE	WACO 138KV	17.96	-0.00224	-0.21102	30
MIDW	PAWNEE 115KV	999	-0.11431	MIDW	KNOLL 3 115 115KV	52	-0.04847	-0.06584	96
MIDW	RICE 115KV	999	-0.11431	MIDW	KNOLL 3 115 115KV	52	-0.04847	-0.06584	96

Maximum Decrement and Maximum Increment were determine from the 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: 5609654782155785547851410 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	1.4	1.4

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	AES 161KV	320	-0.00021	-0.44636	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	FPLWND2 34KV	102	0.04514	-0.49171	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	HORSESHOE LAKE 138KV	91	-0.00148	-0.44509	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	HORSESHOE LAKE 69KV	16	-0.00141	-0.44516	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	MCCLAIN 138KV	478	-0.00231	-0.44426	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	MUSKOGEE 345KV	1516	-0.0003	-0.44627	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	MUSTANG 138KV	50	-0.00236	-0.44421	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	MUSTANG 69KV	87.89355	-0.00255	-0.44402	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	ONE OAK 345KV	100	-0.00097	-0.4456	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	SEMINOLE 138KV	477.985	-0.0011	-0.44547	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	SEMINOLE 345KV	996	-0.00114	-0.44543	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	SMITH COGEN 138KV	110	-0.00223	-0.44434	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	SOONER 138KV	505	0.00148	-0.44805	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	SOONER 345KV	513	0.00067	-0.44724	3
WFEC	ANADARKO 138KV	8.786888	0.0001	WFEC	SLEEPING BEAR 138KV	96	0.08953	-0.08943	16
WFEC	ANADARKO 138KV	90	0.0001	WFEC	SLEEPING BEAR 138KV	96	0.08953	-0.08943	16
WFEC	ANADARKO 69KV	76	0.00019	WFEC	SLEEPING BEAR 138KV	96	0.08953	-0.08934	16
WFEC	BLUCAN14 138 138KV	151.2	0.00032	WFEC	SLEEPING BEAR 138KV	96	0.08953	-0.08921	16
OKGE	MCCLAIN 138KV	42	-0.00231	OKGE	FPLWND2 34KV	102	0.04514	-0.04745	30
OKGE	MUSTANG 138KV	315.5	-0.00236	OKGE	FPLWND2 34KV	102	0.04514	-0.0475	30
OKGE	MUSTANG 69KV	18.10645	-0.00255	OKGE	FPLWND2 34KV	102	0.04514	-0.04769	30
OKGE	HORSESHOE LAKE 138KV	380	-0.00148	OKGE	FPLWND2 34KV	102	0.04514	-0.04662	31
OKGE	HORSESHOE LAKE 138KV	380.5	-0.00148	OKGE	FPLWND2 34KV	102	0.04514	-0.04662	31
OKGE	ONE OAK 345KV	236	-0.00097	OKGE	FPLWND2 34KV	102	0.04514	-0.04611	31
OKGE	REDBUD 345KV	900	-0.00099	OKGE	FPLWND2 34KV	102	0.04514	-0.04613	31
OKGE	REDBUD 345KV	300	-0.00099	OKGE	FPLWND2 34KV	102	0.04514	-0.04613	31
OKGE	SEMINOLE 138KV	27.01498	-0.0011	OKGE	FPLWND2 34KV	102	0.04514	-0.04624	31
OKGE	TINKER 5G 138KV	62	-0.00148	OKGE	FPLWND2 34KV	102	0.04514	-0.04662	31
WFEC	ANADARKO 138KV	90	0.0001	WFEC	MORLND 138KV	160.0176	0.04514	-0.04504	32
WFEC	ANADARKO 69KV	76	0.00019	WFEC	MORLND 138KV	160.0176	0.04514	-0.04495	32
WFEC	BLUCAN14 138 138KV	151.2	0.00032	WFEC	MORLND 138KV	160.0176	0.04514	-0.04482	32
WFEC	MORLND 138KV	159.9824	0.04514	WFEC	SLEEPING BEAR 138KV	96	0.08953	-0.04439	32
OKGE	MUSKOGEE 161KV	166	-0.00026	OKGE	FPLWND2 34KV	102	0.04514	-0.0454	32
OKGE	MUSKOGEE 161KV	31	-0.00026	OKGE	FPLWND2 34KV	102	0.04514	-0.0454	32
OKGE	MUSKOGEE 345KV	20	-0.0003	OKGE	FPLWND2 34KV	102	0.04514	-0.04544	32
OKGE	SOONER 138KV	24.99997	0.00148	OKGE	FPLWND2 34KV	102	0.04514	-0.04366	33
OKGE	SOUTH 4TH ST 69KV	42.7	0.00914	OKGE	FPLWND2 34KV	102	0.04514	-0.036	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: WOODWARD - WOODWARD 69KV CKT 1
Limiting Facility: WOODWARD - WOODWARD 69KV CKT 1
Direction: From->To
Line Outage: FPL SWITCH - WOODWARD 138KV CKT 1
Flowgate: 5609654782155785547851410 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	1.4	1.4

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	AES 161KV	320	-0.00021	-0.44636	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	FPLWND2 34KV	102	0.04514	-0.49171	3

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

OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	HORSESHOE LAKE 138KV	91	-0.00148	-0.44509	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	HORSESHOE LAKE 138KV	198.562	-0.00148	-0.44509	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	HORSESHOE LAKE 138KV	380	-0.00148	-0.44509	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	HORSESHOE LAKE 69KV	16	-0.00141	-0.44516	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	MCCLAIN 138KV	478	-0.0023	-0.44427	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	MUSKOGEE 345KV	1516	-0.0003	-0.44627	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	MUSTANG 138KV	365.5	-0.00236	-0.44421	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	MUSTANG 69KV	106	-0.00255	-0.44402	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	ONE OAK 345KV	132	-0.00097	-0.4456	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	SEMINOLE 138KV	485.0145	-0.0011	-0.44547	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	SEMINOLE 345KV	996	-0.00114	-0.44543	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	SMITH COGEN 138KV	110	-0.00223	-0.44434	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	SOONER 138KV	505	0.00148	-0.44805	3
OKGE	WOODWARD 24KV	9.3	-0.44657	OKGE	SOONER 345KV	513	0.00067	-0.44724	3
WFEC	ANADARKO 138KV	90	0.0001	WFEC	SLEEPING BEAR 138KV	96	0.08953	-0.08943	16
WFEC	ANADARKO 69KV	76	0.00019	WFEC	SLEEPING BEAR 138KV	96	0.08953	-0.08934	16
WFEC	BLUCAN14 138 138KV	151.2	0.00032	WFEC	SLEEPING BEAR 138KV	96	0.08953	-0.08921	16
OKGE	MCCLAIN 138KV	42	-0.0023	OKGE	FPLWND2 34KV	102	0.04514	-0.04744	30
OKGE	HORSESHOE LAKE 138KV	181.938	-0.00148	OKGE	FPLWND2 34KV	102	0.04514	-0.04662	31
OKGE	ONE OAK 345KV	204	-0.00097	OKGE	FPLWND2 34KV	102	0.04514	-0.04611	31
OKGE	REDBUD 345KV	900	-0.00099	OKGE	FPLWND2 34KV	102	0.04514	-0.04613	31
OKGE	REDBUD 345KV	300	-0.00099	OKGE	FPLWND2 34KV	102	0.04514	-0.04613	31
OKGE	SEMINOLE 138KV	19.9855	-0.0011	OKGE	FPLWND2 34KV	102	0.04514	-0.04624	31
OKGE	TINKER 5G 138KV	62	-0.00148	OKGE	FPLWND2 34KV	102	0.04514	-0.04662	31
WFEC	ANADARKO 138KV	90	0.0001	WFEC	MORLND 138KV	294.7338	0.04514	-0.04504	32
WFEC	ANADARKO 69KV	76	0.00019	WFEC	MORLND 138KV	294.7338	0.04514	-0.04495	32
WFEC	BLUCAN14 138 138KV	151.2	0.00032	WFEC	MORLND 138KV	294.7338	0.04514	-0.04482	32
WFEC	MORLND 138KV	25.26624	0.04514	WFEC	SLEEPING BEAR 138KV	96	0.08953	-0.04439	32
OKGE	MUSKOGEE 161KV	166	-0.00026	OKGE	FPLWND2 34KV	102	0.04514	-0.0454	32
OKGE	MUSKOGEE 161KV	31	-0.00026	OKGE	FPLWND2 34KV	102	0.04514	-0.0454	32
OKGE	MUSKOGEE 345KV	20	-0.0003	OKGE	FPLWND2 34KV	102	0.04514	-0.04544	32
OKGE	SOONER 138KV	24.99997	0.00148	OKGE	FPLWND2 34KV	102	0.04514	-0.04366	33
OKGE	SOUTH 4TH ST 69KV	42.7	0.00914	OKGE	FPLWND2 34KV	102	0.04514	-0.036	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: WOODWARD - WOODWARD 69KV CKT 1
Limiting Facility: WOODWARD - WOODWARD 69KV CKT 1
Direction: From->To
Line Outage: FPL SWITCH - WOODWARD 138KV CKT 1
Flowgate: 560965478215578554781 4308SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1086238	1.6	1.6

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	-0.45025	OKGE	AES 161KV	320	-0.00021	-0.45004	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	FPLWND2 34KV	23.001	0.04618	-0.49643	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	HORSESHOE LAKE 138KV	380	-0.0015	-0.44875	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	HORSESHOE LAKE 138KV	328.1357	-0.0015	-0.44875	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	HORSESHOE LAKE 138KV	91	-0.0015	-0.44875	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	HORSESHOE LAKE 69KV	16	-0.00143	-0.44882	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	MCCLAIN 138KV	478	-0.00219	-0.44806	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	MUSKOGEE 345KV	1516	-0.0003	-0.44995	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	MUSTANG 138KV	365.5	-0.00239	-0.44786	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	MUSTANG 69KV	106	-0.00258	-0.44767	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	ONE OAK 345KV	175	-0.00097	-0.44928	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	SEMINOLE 138KV	478.9058	-0.0011	-0.44915	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	SEMINOLE 345KV	996	-0.00115	-0.4491	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	SMITH COGEN 138KV	110	-0.00227	-0.44798	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	SOONER 138KV	505	0.00148	-0.45173	3
OKGE	WOODWARD 24KV	9.3	-0.45025	OKGE	SOONER 345KV	513	0.00067	-0.45092	3
WFEC	ANADARKO 138KV	13.43958	0.00009	WFEC	SLEEPING BEAR 138KV	16	0.09687	-0.09678	16
WFEC	ANADARKO 138KV	90	0.00009	WFEC	SLEEPING BEAR 138KV	16	0.09687	-0.09678	16
WFEC	ANADARKO 69KV	76	0.00016	WFEC	SLEEPING BEAR 138KV	16	0.09687	-0.09671	16
WFEC	BLUCAN14 138 138KV	151.2	0.00031	WFEC	SLEEPING BEAR 138KV	16	0.09687	-0.09656	16
OKGE	MCCLAIN 138KV	42	-0.00219	OKGE	FPLWND2 34KV	23.001	0.04618	-0.04837	32
OKGE	HORSESHOE LAKE 138KV	52.36429	-0.0015	OKGE	FPLWND2 34KV	23.001	0.04618	-0.04768	33
OKGE	MUSKOGEE 161KV	166	-0.00026	OKGE	FPLWND2 34KV	23.001	0.04618	-0.04644	33
OKGE	MUSKOGEE 161KV	31	-0.00026	OKGE	FPLWND2 34KV	23.001	0.04618	-0.04644	33
OKGE	MUSKOGEE 345KV	20	-0.0003	OKGE	FPLWND2 34KV	23.001	0.04618	-0.04648	33
OKGE	ONE OAK 345KV	161	-0.00097	OKGE	FPLWND2 34KV	23.001	0.04618	-0.04715	33
OKGE	REDBUD 345KV	900	-0.001	OKGE	FPLWND2 34KV	23.001	0.04618	-0.04718	33
OKGE	REDBUD 345KV	300	-0.001	OKGE	FPLWND2 34KV	23.001	0.04618	-0.04718	33
OKGE	SEMINOLE 138KV	26.09421	-0.0011	OKGE	FPLWND2 34KV	23.001	0.04618	-0.04728	33
OKGE	TINKER 5G 138KV	62	-0.0015	OKGE	FPLWND2 34KV	23.001	0.04618	-0.04768	33
WFEC	ANADARKO 138KV	13.43958	0.00009	WFEC	MORLND 138KV	312.5645	0.04618	-0.04609	34
WFEC	ANADARKO 138KV	90	0.00009	WFEC	MORLND 138KV	312.5645	0.04618	-0.04609	34
WFEC	ANADARKO 69KV	76	0.00016	WFEC	MORLND 138KV	312.5645	0.04618	-0.04602	34
WFEC	BLUCAN14 138 138KV	151.2	0.00031	WFEC	MORLND 138KV	312.5645	0.04618	-0.04587	34
OKGE	CONTINENTAL EMPIRE 138KV	32	0.00148	OKGE	FPLWND2 34KV	23.001	0.04618	-0.0447	35
OKGE	SOONER 138KV	24.99997	0.00148	OKGE	FPLWND2 34KV	23.001	0.04618	-0.0447	35
OKGE	SOUTH 4TH ST 69KV	42.7	0.00917	OKGE	FPLWND2 34KV	23.001	0.04618	-0.03701	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: YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Limiting Facility: YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: To->From
Line Outage: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Flowgate: 5189051891151969519661110 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1090487	21.3	21.3

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)
SPS	MADOX 115KV	75	-0.06213	SPS	MUSTG5 118.0 230KV	360	0.1552	-0.21733	98
SPS	LP-BRND2 69KV	152	-0.01329	SPS	MUSTG5 118.0 230KV	360	0.1552	-0.16849	126
SPS	NICHOLS 115KV	66.00001	0.00483	SPS	MUSTG5 118.0 230KV	360	0.1552	-0.15037	142
SPS	NICHOLS 230KV	97	0.00496	SPS	MUSTG5 118.0 230KV	360	0.1552	-0.15024	142
SPS	PLANTX 115KV	48	0.00643	SPS	MUSTG5 118.0 230KV	360	0.1552	-0.14877	143

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

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