SPP Southwest Power Pool

Aggregate Facility Study SPP-2006-AG3-AFS-1 For Transmission Service Requested by Aggregate Transmission Customers

SPP Engineering, SPP Tariff Studies

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1. Executive Summary

Pursuant to Attachment Z of the Southwest Power Pool Open Access Transmission Tariff (OATT), 8288 MW of long-term transmission service requests have been restudied in this Aggregate Facility Study (AFS). The first phase of the AFS consisted of a revision of the impact study to reflect the withdrawal of requests for which an Aggregate Facility Study Agreement was not executed. The principal objective of the AFS is to identify system problems and potential modifications necessary to facilitate these transfers while maintaining or improving system reliability as well as summarizing the operating limits and determination of the financial characteristics associated with facility upgrades. Facility upgrade costs are allocated on a prorated basis to all requests positively impacting any individual overloaded facility. Further, Attachment Z provides for facility upgrade cost recovery by stating that "[a]ny charges paid by a customer in excess of the transmission access charges in compensation for the revenue requirements for allocated facility upgrade(s) shall be recovered by such customer from future transmission service revenues until the customer has been fully compensated."

The total assigned facility upgrade Engineering and Construction (E &C) cost determined by the AFS is $629 Million. Additionally an indeterminate amount of assigned E & C cost for 3rd party facility upgrades are assignable to the customer. The total upgrade levelized revenue requirement for all transmission requests is $2.3 Billion. This is based on full allocation of levelized revenue requirements for upgrades to customers without consideration of base plan funding. AFS data table 3 reflects the allocation of upgrade costs to each request without potential base plan funding based on either the requested reservation period or the deferred reservation period if applicable.

Total upgrade levelized revenue requirements for all transmission requests after consideration of potential base plan funding is $1.1 Billion.

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

The Transmission Provider will tender a Letter of Intent on Wednesday, January 17th, 2007. 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 February 1st, 2007, 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 third open season of 2006 commenced on June 1, 2006. All requests for long-term transmission service received prior to October 1, 2006 with a signed study agreement were then included in this third Aggregate Transmission Service Study (ATSS) of 2006.

Approximately 8288 MW of long-term transmission service has been restudied in this Aggregate Facility Study (AFS) with over $629 Million in transmission upgrades being proposed. The results of the AFS are detailed in Tables 1 through 6. A highly tangible benefit of studying transmission requests aggregately under the SPP OATT Attachment Z is the sharing of costs among customers using the same facility. The detailed results show individual upgrade costs by study as well as potential base plan allowances as determined by Attachments J and Z. The following link can be used to access the SPP OATT: (http://www.spp.org/Publications/SPP_Tariff.pdf). In order to understand the extent to which base plan upgrades may be applied to both point-to-point and network transmission services, it is necessary to highlight the definition of Designated Resource.

Per Section 1.9a of the SPP OATT, a Designated Resource is "[a]ny designated generation resource owned, purchased or leased by a Transmission Customer to serve load in the SPP Region. Designated Resources do not include any resource, or any portion thereof, that is committed for sale to third parties or otherwise cannot be called upon to meet the Transmission Customer's load on a non-interruptible basis." Therefore, not only network service, but also point-to-point service has potential for base plan funding if the conditions for classifying upgrades associated with designated resources as base plan upgrades as defined in Section III.B of Attachment J are met.

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

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

According to Attachment Z Section VI.A, Point-to-Point customers pay the higher of the monthly transmission access charge (base rate) or the monthly revenue requirement associated with the assigned facility upgrades including any prepayments for redispatch required during construction.

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

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

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

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

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

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

A. Financial Analysis

The AFS utilizes the allocated customer E & C cost in a present worth analysis to determine the monthly levelized revenue requirement of each facility upgrade over the term of the reservation. In some cases, network upgrades cannot be completed within the requested reservation period, thus deferred reservation periods will be utilized in the present worth analysis. If the Customer 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 in the subsequent AFS. The upgrade levelized revenue requirement includes interest, depreciation, and carrying costs.

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

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

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

Achievable Base Plan Avoided Revenue Requirements in the case of a Base Plan upgrade being displaced or deferred by an earlier in service date for a Requested Upgrade shall be determined per Attachment J, Section VII.B methodology. A deferred Base Plan upgrade being defined as a different requested network upgrade needed at an earlier date that negates the need for the initial base plan upgrade within the planning horizon. A displaced Base Plan upgrade being defined as the same network upgrade being displaced by a requested upgrade needed at an earlier date. 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 or deferral 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 or deferral.

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, third-party facilities were identified. Total engineering and construction cost estimates for required third-party facility upgrades are indeterminate. 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. Upgrades on the Southwest Power Administration network requires prepayment of the upgrade cost prior to construction of the upgrade.

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 twelve seasonal models to study the aggregate transfers of 8288 MW over a variety of requested service periods. The SPP MDWG 2006 Series Cases Update 4 2006/07 Winter Peak (06WP), 2007 April Minimum (07AP), 2007 Spring Peak (07G), 2007 Summer Peak (07SP), 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. Five groups of requests were developed from the aggregate of 8288 MW in order to minimize counterflows among requested service. Each request was included in at least two of the four groups depending on the requested path. All requests were included in group five. From the twelve seasonal models, five system scenarios were developed. Scenario 1 includes SWPP OASIS transmission requests not already included

in the SPP 2006 Series Cases flowing in a West to East direction with ERCOT 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 exporting from an outside zone and exporting 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. Scenario 5 include all transmission not already included in the SPP 2006 Series Cases with ERCOT importing and SPS net exporting to outside zones and exporting to the Lamar HVDC tie. The system scenarios were developed to minimize counter flows from previously confirmed, higher priority requests not included in the MDWG Base Case.

C. Transfer Analysis

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

D. Curtailment and Redispatch Evaluation

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

SPP determined potential relief pairs to relieve the incremental MW impact on limiting facilities as identified in Table 6. Using the selected cases where the limiting facilities were identified, potential incremental and decremental units were identified by determining the generation amount available for increasing and decreasing from the units generation amount, maximum generation amount, and minimum generation amount. If the incremental or decremental amount was greater than 1 MW, the unit was considered as a potential incremental or decremental unit. Generation shift factors were calculated for the potential incremental and decremental units using Managing and Utilizing System Transmission (MUST). From the generation shift factors for the incremental and decremental units, top 100 relief pairs with a greater than 3% TDF were determined from

the incremental units with the lowest generation shift factors and decremental units with highest generation shift factors. The potential relief pairs **were not** evaluated to determine impacts on limiting facilities in the SPP and 1st-Tier systems. The redispatch requirements would be called upon prior to implementing NERC TLR Level 5a.

4. Study Results

A. Study Analysis Results

Tables 1 through 6 contain the steady-state analysis results of the ASIS. Table 1 identifies the participating long-term transmission service requests included in the AFS. This table lists deferred start and stop dates both with and without redispatch (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 (COD), Estimated Date of Upgrade Completion (EOC), and Estimated E & C cost. Table 5 lists identified Third-Party constrained facilities. Table 6 identifies potential redispatch pairs available to relieve the aggregate impacts on identified constraints to prevent deferral of start of service. Table 7 identifies deferred expansion plan projects that were replaced with requested upgrades at earlier dates.

The 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. If the additional capacity of the new or changed designated resource exceeds the 125% resource to load forecast for the year of start of service, the requested resource is not eligible for base plan funding of required network upgrades and the full cost of the upgrades is assignable to the customer. If the 5 year term and 125% resource to load criteria are met, the lesser of the planned maximum net dependable capacity (NDC) or the requested capacity is multiplied by $180,000 to determine the potential base plan funding allowable. When calculating Base Plan Funding amounts that include a wind farm, the amount used is 10% of the requested amount of service, or the NDC. The Maximum Potential Base Plan Funding Allowable may be less than the potential base plan funding allowable due to the E & C Cost allocated to the customer being lower than the potential amount allowable to the customer. The customer is responsible for any assigned upgrade costs in excess of Potential Base Plan Engineering and Construction Funding Allowable.

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, January 17th, 2007. 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 February 1st, 2007, 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	Note	Minimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period
AECC	AG3-2006-003	1161131	WR	EES	50	12/1/2007	12/1/2027						0	07WP
AECC	AG3-2006-002	1161136	WR	CSWS	50	12/1/2007	12/1/2027	6/1/2009	6/1/2029	12/1/2007	12/1/2027	1	0	07WP
AECC	AG3-2006-001	1161209	CSWS	CSWS	70	6/1/2011	6/1/2031						0	11SP
AEPM	AG3-2006-039	1158760	CSWS	CSWS	160	7/1/2007	7/1/2012	6/1/2009	6/1/2014	7/1/2007	7/1/2012	1	0	07SP
AEPM	AG3-2006-040	1158761	CSWS	CSWS	160	11/1/2007	11/1/2012	6/1/2009	6/1/2014	11/1/2007	11/1/2012	1	0	08SP
AEPM	AG3-2006-043	1162211	OKGE	CSWS	457	6/1/2011	6/1/2031						0	11SP
AEPM	AG3-2006-044	1162214	CSWS	CSWS	455	6/1/2011	6/1/2031						0	11SP
AEPM	AG3-2006-045	1162223	CSWS	WFEC	15	8/1/2007	8/1/2012	6/1/2010	6/1/2015	6/1/2009	6/1/2014	1	0	11SP
AEPM	AG3-2006-072	1162484	CSWS	EES	11	1/1/2009	1/1/2014	6/1/2009	6/1/2014	1/1/2009	1/1/2014	1	0	11WP
AEPM	AG3-2006-073	1162486	CSWS	EES	25	1/1/2009	1/1/2014	6/1/2009	6/1/2014	1/1/2009	1/1/2014	1	0	11WP
AEPM	AG3-2006-074	1162487	CSWS	EES	20	1/1/2009	1/1/2014						0	11SP
AEPM	AG3-2006-075	1162491	CSWS	EES	19	1/1/2009	1/1/2014	6/1/2009	6/1/2014	1/1/2009	1/1/2014	1	0	11WP
AEPM	AG3-2006-076	1162492	CSWS	EES	9	1/1/2009	1/1/2014						0	11SP
AEPM	AG3-2006-077	1162494	CSWS	EES	17	1/1/2009	1/1/2014						0	11SP
AEPM	AG3-2006-092	1162763	CSWS	CSWS	100	6/1/2007	6/1/2008	6/1/2009	6/1/2010	6/1/2007	6/1/2008	1	0	07SP
AEPM	AG3-2006-091	1162766	CSWS	CSWS	100	6/1/2007	6/1/2008	6/1/2009	6/1/2010	6/1/2007	6/1/2008	1	0	07SP
AEPM	AG3-2006-095	1162768	OKGE	CSWS	100	6/1/2007	6/1/2008	10/1/2008	10/1/2009	6/1/2007	6/1/2008	1	0	07SP
AEPM	AG3-2006-094	1163062	CSWS	CSWS	550	6/1/2010	6/1/2015						0	11SP
EXGN	AG3-2006-042D	1162087	CSWS	SPS	104	6/1/2007	6/1/2008	6/1/2010	6/1/2011	6/1/2007	6/1/2008	1	0	07FA
GRDX	AG3-2006-032	1161666	CSWS	GRDA	150	2/1/2007	2/1/2008	6/1/2009	6/1/2010	12/1/2008	12/1/2009	1	0	06WP
GRDX	AG3-2006-033	1161667	OKGE	GRDA	150	2/1/2007	2/1/2008	6/1/2009	6/1/2010	12/1/2008	12/1/2009	1	0	07SP
GSEC	AG3-2006-008	1161197	SECI	SPS	400	9/1/2011	9/1/2041						0	11SP
GSEC	AG3-2006-008	1161198	SECI	SPS	30	9/1/2011	9/1/2041						0	11SP
GSEC	AG3-2006-100	1162688	SPS	SPS	10	3/1/2007	3/1/2037	6/1/2010	6/1/2040	3/1/2007	3/1/2037	1	0	07SP
KCPS	AG3-2006-106	1162649	WPEK	KCPL	101	2/1/2007	2/1/2037	6/1/2010	6/1/2040	6/1/2008	6/2/2038	1	0	06WP
KCPS	AG3-2006-103	1162650	KCPL	CLEC	52	2/1/2007	2/1/2008	6/1/2010	6/1/2011	2/1/2007	2/1/2008	1	0	07AP
KCPS	AG3-2006-103	1162651	KCPL	CLEC	51	2/1/2007	2/1/2008	6/1/2010	6/1/2011	2/1/2007	2/1/2008	1	0	07AP
KCPS	AG3-2006-104	1162654	KCPL	SPA	16	2/1/2007	2/1/2008	6/1/2010	6/1/2011	2/1/2007	2/1/2008	1	0	07SP
KCPS	AG3-2006-101	1162685	AECI	KCPL	50	6/1/2007	6/1/2008	4/1/2009	4/1/2010	6/1/2007	6/1/2008	1	0	07WP
KCPS	AG3-2006-101	1162686	AECI	KCPL	50	6/1/2007	6/1/2008	4/1/2009	4/1/2010	6/1/2007	6/1/2008	1	0	07WP
MIDW	AG3-2006-086	1162102	WR	WR	25	6/1/2007	6/1/2017	6/1/2009	6/2/2019	6/1/2007	6/1/2017	1	0	08SP
MIDW	AG3-2006-087	1162109	WR	WR	10	6/1/2008	6/1/2018	6/1/2009	6/2/2019	6/1/2008	6/1/2018	1	0	08SP
MIDW	AG3-2006-087	1162122	WR	WR	10	6/1/2008	6/1/2018	6/1/2009	6/2/2019	6/1/2008	6/1/2018	1	0	08SP
MIDW	AG3-2006-087	1162123	WR	WR	19	6/1/2008	6/1/2018						0	11SP
MIDW	AG3-2006-087	1162130	WR	WR	6	6/1/2008	6/1/2018						0	11SP
MIDW	AG3-2006-058	1162131	WR	WR	40	6/1/2010	6/1/2020						0	11SP
MIDW	AG3-2006-058	1162136	WR	WR	10	6/1/2010	6/1/2020						0	11SP
MIDW	AG3-2006-062	1162137	WR	WR	20	6/1/2008	6/1/2038						0	08SP
MIDW	AG3-2006-062	1162141	WR	WR	5	6/1/2008	6/1/2038						0	11SP
MIDW	AG3-2006-062	1162142	WR	WR	40	6/1/2008	6/1/2038						0	08SP
MIDW	AG3-2006-062	1162143	WR	WR	10	6/1/2008	6/1/2038						0	11SP
MIDW	AG3-2006-078	1162168	SECI	WR	75	9/1/2011	9/1/2041						0	11SP
MIDW	AG3-2006-058	1162175	WR	WR	68	6/1/2008	6/1/2038						0	11SP
MIDW	AG3-2006-058	1162176	WR	WR	16	6/1/2008	6/1/2038	6/1/2009	6/1/2039	6/1/2008	6/1/2038	1	0	08SP
MIDW	AG3-2006-058	1162183	WR	WR	40	6/1/2010	6/1/2030						0	11SP
MIDW	AG3-2006-058	1162190	WR	WR	10	6/1/2010	6/1/2030						0	11SP
MIDW	AG3-2006-058	1162191	WR	WR	40	6/1/2010	6/1/2030						0	11SP
MIDW	AG3-2006-058	1162192	WR	WR	10	6/1/2010	6/1/2030						0	11SP
MIDW	AG3-2006-058	1162193	WR	WR	20	6/1/2010	6/1/2030						0	11SP
MIDW	AG3-2006-058	1162194	WR	WR	5	6/1/2010	6/1/2030						0	11SP
MIDW	AG3-2006-121	1167662	WR	WR	35	2/1/2007	2/1/2012	6/1/2010	6/1/2015	6/1/2008	6/1/2013	1	0	06WP
MIDW	AG3-2006-121	1167664	WR	WR	10	2/1/2007	2/1/2012	6/1/2010	6/1/2015	6/1/2008	6/1/2013	1	0	06WP

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

NTEC	AG3-2006-035	1161974	CSWS	CSWS	52	6/1/2011	6/1/2031						0	11SP
OGE	AG3-2006-034	1161665	OKGE	SPA	20	2/1/2007	2/1/2012	6/1/2009	6/1/2014	2/1/2007	2/1/2012	[1]	0	11SP
OGE	AG3-2006-049	1162077	OKGE	OKGE	384	6/1/2011	6/1/2031						0	11SP
OMPA	AG3-2006-028	1159596	CSWS	CSWS	41	6/1/2011	6/1/2031						0	11SP
OMPA	AG3-2006-050	1162095	OKGE	OKGE	73	6/1/2011	6/1/2031						0	11SP
OMPA	AG3-2006-122	1162617	ERCOTE	CSWS	29	5/1/2007	5/1/2012	6/1/2010	6/1/2015	5/1/2007	5/1/2012	[1]	0	11SP
SEPC	AG3-2006-085	1162537	SECI	SECI	50	9/1/2011	9/1/2041						0	11SP
SEPC	AG3-2006-084	1162543	SECI	WPEK	150	9/1/2011	9/1/2041						0	11SP
SEPC	AG3-2006-113	1162670	WR	SECI	51	12/1/2007	12/1/2027	6/1/2010	6/1/2030	6/1/2009	6/1/2029	[1]	0	07WP
SHDY	AG3-2006-082	1162514	OKGE	CSWS	580	6/1/2011	6/1/2016						0	11WP
SHDY	AG3-2006-083	1162517	OKGE	EES	49	1/8/2008	1/8/2009						0	07WP
SPSM	AG3-2006-115	1162675	OKGE	SPS	100	2/1/2007	2/1/2008	6/1/2010	6/1/2011	2/1/2007	2/1/2008	[1]	0	06WP
UCU	AG3-2006-018D	1104638	MPS	MPS	160	6/1/2010	6/1/2030					[2]	160	N/A
UCU	AG3-2006-025D	1152228	MPS	MPS	585	2/1/2007	2/1/2027	4/1/2009	4/1/2029	10/1/2008	10/1/2028	[1]	0	07SP
UCU	AG3-2006-052D	1162075	WR	MPS	51	1/1/2008	1/1/2028	6/1/2009	6/1/2029	10/1/2008	10/1/2028	[1]	0	08SP
UCU	AG3-2006-088D	1162678	WR	MPS	25	1/1/2008	1/1/2028	6/1/2009	6/1/2029	10/1/2008	10/1/2028	[1]	0	08SP
UCU	AG3-2006-088D	1162681	WR	MPS	25	1/1/2008	1/1/2028	6/1/2009	6/1/2029	10/1/2008	10/1/2028	[1]	0	08SP
WFEC	AG3-2006-019	1152679	WFEC	WFEC	500	5/1/2010	5/1/2035						0	11SP
WFEC	AG3-2006-119	1165215	OKGE	WFEC	100	4/1/2007	4/1/2011	6/1/2009	6/1/2013	4/1/2007	4/1/2011	[1]	0	07SP
WFEC	AG3-2006-120	1165218	CSWS	WFEC	100	4/1/2007	4/1/2011	6/1/2010	6/1/2014	4/1/2007	4/1/2011	[1]	0	07SP
WRGS	AG3-2006-025	1140120	WR	WR	360	5/1/2009	5/1/2015						0	11SP
WRGS	AG3-2006-024D	1161506	WR	WR	380	5/1/2008	5/1/2014	10/1/2008	10/2/2014	5/1/2008	5/1/2014	[1]	0	08SP
WRGS	AG3-2006-036D	1161997	MPS	WR	300	6/1/2007	6/1/2014	10/1/2008	10/2/2015	6/1/2007	6/1/2014	[1]	0	07SH

Note 1: Disregard Redispatch shown in Table 6 for limitations identified earlier than the start date with redispatch with the exception of limitations identified in the 2007 Spring Peak, 2007 April Minimum, 2007 Summer Shoulder, and 2007 Fall Peak

Note 2: Matching Point to Point Service being studied in 2006-AG2

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

Customer	Study Number	Reservation	[11]Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	[1]Letter of Credit Amount Required	[2]Potential Base Plan Engineering and Construction Funding Allowable	Notes	[4]Additional Engineering and Construction Cost for 3rd Party Upgrades	[3] Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	[3] Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	[4]Total Cost of Reservation Assignable to Customer contingent upon base plan funding
AECC	AG3-2006-001	1161209	$ 13,829,229	$ 13,829,229	$ 1,260,000		Indeterminate	$ 47,812,079	$ 43,498,079	$ -	$ 43,498,079
AECC	AG3-2006-002	1161136	$ 7,660,498	$ 7,660,539	$ 900,000		$ -	$ 27,593,551	$ 24,902,159	$ -	$ 24,902,159
AECC	AG3-2006-003	1161131	$ 2,807,115	$ 2,809,701	$ -		Indeterminate	$ 10,545,148	$ 10,545,148	$ 10,800,000	$ 10,800,000
AEPM	AG3-2006-039	1158760	$ 5,164,479	$ 1,975,891	$ 5,164,479		Indeterminate	$ 10,797,534	$ -	$ -	Sch 9 charges plus third party upgrades
AEPM	AG3-2006-040	1158761	$ 5,164,479	$ 1,975,891	$ 5,164,479		Indeterminate	$ 10,797,534	$ -	$ -	Sch 9 charges plus third party upgrades
AEPM	AG3-2006-043	1162211	$ 40,394,273	$ 37,011,902	$ 40,394,273		$ -	$ 196,964,176	$ -	$ -	Sch 9 charges
AEPM	AG3-2006-044	1162214	$ 69,818,962	$ 9,726,482	$ 69,818,962		Indeterminate	$ 247,243,550	$ -	$ -	Sch 9 charges plus third party upgrades
AEPM	AG3-2006-045	1162223	$ 1,457,702	$ 1,347,499	$ 1,457,702		$ -	$ 3,356,199	$ -	$ -	Sch 9 charges
AEPM	AG3-2006-072	1162484	$ 600,163	$ 341,105	$ 600,163		Indeterminate	$ 1,271,501	$ -	$ -	Sch 9 charges plus third party upgrades
AEPM	AG3-2006-073	1162486	$ 1,351,117	$ 767,684	$ 1,351,117		Indeterminate	$ 2,862,509	$ -	$ -	Sch 9 charges plus third party upgrades
AEPM	AG3-2006-074	1162487	$ 981,909	$ 562,555	$ 981,909		Indeterminate	$ 2,009,303	$ -	$ -	Sch 9 charges plus third party upgrades
AEPM	AG3-2006-075	1162491	$ 1,068,866	$ 586,687	$ 1,068,866		$ -	$ 2,254,825	$ -	$ -	Sch 9 charges
AEPM	AG3-2006-076	1162492	$ 453,355	$ 260,695	$ 453,355		Indeterminate	$ 927,874	$ -	$ -	Sch 9 charges plus third party upgrades
AEPM	AG3-2006-077	1162494	$ 798,234	$ 460,373	$ 798,234		Indeterminate	$ 1,633,359	$ -	$ -	Sch 9 charges
AEPM	AG3-2006-091	1162766	$ 387,268	$ 411,954	$ -		Indeterminate	$ 1,029,588	$ 1,029,587	$ 1,260,000	$ 1,260,000
AEPM	AG3-2006-092	1162763	$ 545,072	$ 579,818	$ -		Indeterminate	$ 1,317,670	$ 1,317,670	$ 1,260,000	$ 1,317,670
AEPM	AG3-2006-094	1163062	$ 24,994,748	$ 11,967,063	$ 24,994,748		Indeterminate	$ 50,998,868	$ -	$ -	Sch 9 charges plus third party upgrades
AEPM	AG3-2006-095	1162768	$ -	$ 3,838	$ -		Indeterminate	$ 117,724	$ 117,724	$ 1,260,000	$ 1,260,000
EXGN	AG3-2006-042D	1162087	$ -	$ -	$ -		$ -	$ -	$ -	$ 1,810,848	$ 1,810,848

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

Customer	Study Number	Reservation	[11]Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	[1]Letter of Credit Amount Required	[2]Potential Base Plan Engineering and Construction Funding Allowable	Notes	[4]Additional Engineering and Construction Cost for 3rd Party Upgrades	[3] Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	[3] Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	[4]Total Cost of Reservation Assignable to Customer contingent upon base plan funding
GRDX	AG3-2006-032	1161666	$ 2,318,188	$ 1,732,153	$ -		Indeterminate	$ 3,820,070	$ 3,820,070	$ -	$ 3,820,070
GRDX	AG3-2006-033	1161667	$ 1,610,165	$ 502,982	$ -		Indeterminate	$ 2,537,011	$ 2,537,011	$ -	$ 2,537,011
GSEC	AG3-2006-008	1161197	$ 66,933,070	$ 66,945,225	$ 66,933,070		$ -	$ 338,122,907	$ -	$ -	Sch 9 charges
GSEC	AG3-2006-008	1161198	$ 5,019,950	$ 5,020,862	$ 5,019,950		$ -	$ 25,359,043	$ -	$ -	Sch 9 charges
GSEC	AG3-2006-100	1162688	$ 3,144,454	$ 3,214,454	$ -		$ -	$ 15,674,245	$ 15,674,245	$ -	$ 15,674,245
KCPS	AG3-2006-101	1162685	$ 135,688	$ 135,688	$ -		$ -	$ 242,023	$ 242,023	$ -	$ 242,023
KCPS	AG3-2006-101	1162686	$ 135,688	$ 135,688	$ -		$ -	$ 242,023	$ 242,023	$ -	$ 242,023
KCPS	AG3-2006-103	1162650	$ 43,266	$ 43,266	$ -		Indeterminate	$ 92,311	$ 92,311	$ 655,200	$ 655,200
KCPS	AG3-2006-103	1162651	$ 42,435	$ 42,435	$ -		Indeterminate	$ 90,538	$ 90,538	$ 642,600	$ 642,600
KCPS	AG3-2006-104	1162654	$ 88,202	$ 193,034	$ -		Indeterminate	$ 178,034	$ 178,034	$ 172,800	$ 178,034
KCPS	AG3-2006-106	1162649	$ 29,652,610	$ 29,652,610	$ 1,800,000		$ -	$ 166,651,126	$ 157,240,863	$ -	$ 157,240,863
MIDW	AG3-2006-058	1162131	$ 672,970	$ 667,464	$ -	6	$ -	$ 1,911,829	$ 1,911,829	$ -	$ 1,911,829
MIDW	AG3-2006-058	1162136	$ 672,970	$ 667,464	$ -	6	$ -	$ 1,911,829	$ 1,911,829	$ -	$ 1,911,829
MIDW	AG3-2006-058	1162175	$ 672,970	$ 667,464	$ -	5	$ -	$ 3,009,973	$ 3,009,973	$ -	$ 3,009,973
MIDW	AG3-2006-058	1162176	$ 672,970	$ 667,464	$ -	5	$ -	$ 3,282,433	$ 3,282,433	$ -	$ 3,282,433
MIDW	AG3-2006-058	1162183	$ 672,970	$ 667,464	$ -	6	$ -	$ 2,687,090	$ 2,687,090	$ -	$ 2,687,090
MIDW	AG3-2006-058	1162190	$ 672,970	$ 667,464	$ -	6	$ -	$ 2,687,090	$ 2,687,090	$ -	$ 2,687,090
MIDW	AG3-2006-058	1162191	$ 1,144,242	$ 1,134,882	$ -	6	$ -	$ 4,568,712	$ 4,568,712	$ -	$ 4,568,712
MIDW	AG3-2006-058	1162192	$ 1,346,228	$ 1,335,216	$ -	6	$ -	$ 5,375,143	$ 5,375,143	$ -	$ 5,375,143
MIDW	AG3-2006-058	1162193	$ 1,346,228	$ 1,335,216	$ -	6	$ -	$ 5,375,143	$ 5,375,143	$ -	$ 5,375,143
MIDW	AG3-2006-058	1162194	$ -	$ -	$ -	6	$ -	$ -	$ -	$ -	Sch 9 charges
MIDW	AG3-2006-062	1162137	$ 36,777	$ 23,101	$ -	5	$ -	$ 150,589	$ 150,589	$ -	$ 150,589
MIDW	AG3-2006-062	1162141	$ 36,017	$ 21,097	$ -	5	$ -	$ 143,131	$ 143,131	$ -	$ 143,131
MIDW	AG3-2006-062	1162142	$ 45,209	$ 28,425	$ -	5	$ -	$ 185,232	$ 185,232	$ -	$ 185,232
MIDW	AG3-2006-062	1162143	$ 64,499	$ 37,769	$ -	5	$ -	$ 256,301	$ 256,301	$ -	$ 256,301
MIDW	AG3-2006-078	1162168	$ 1,497,139	$ 1,486,511	$ -	7	$ -	$ 9,148,423	$ 9,148,423	$ -	$ 9,148,423
MIDW	AG3-2006-086	1162102	$ 3,153,575	$ 3,129,869	$ -	5	$ -	$ 8,038,960	$ 8,038,960	$ -	$ 8,038,960
MIDW	AG3-2006-087	1162109	$ 3,153,575	$ 3,129,869	$ -	5	$ -	$ 8,038,960	$ 8,038,960	$ -	$ 8,038,960
MIDW	AG3-2006-087	1162122	$ 5,348,951	$ 5,308,703	$ -	5	$ -	$ 13,641,588	$ 13,641,588	$ -	$ 13,641,588
MIDW	AG3-2006-087	1162123	$ 5,641,696	$ 5,599,244	$ -	5	$ -	$ 13,175,844	$ 13,175,844	$ -	$ 13,175,844
MIDW	AG3-2006-087	1162130	$ 5,934,427	$ 5,889,769	$ -	5	$ -	$ 13,859,966	$ 13,859,966	$ -	$ 13,859,966
MIDW	AG3-2006-121	1167662	$ 2,521,214	$ 2,500,262	$ -	5	$ -	$ 6,072,192	$ 6,072,192	$ -	$ 6,072,192
MIDW	AG3-2006-121	1167664	$ 673,638	$ 668,229	$ -	5	$ -	$ 1,619,055	$ 1,619,055	$ -	$ 1,619,055
NTEC	AG3-2006-035	1161974	$ 7,028,201	$ 7,128,201	$ 7,028,201		Indeterminate	$ 24,596,491	$ -	$ -	Sch 9 charges plus third party upgrades
OGE	AG3-2006-034	1161665	$ 1,618,679	$ 419,340	$ -	10	$ 2,000	$ 3,660,759	$ 3,660,759	$ 1,080,000	$ 3,662,759
OGE	AG3-2006-049	1162077	$ 50,151,700	$ 2,209,971	$ 50,151,700		$ -	$ 234,481,713	$ -	$ -	Sch 9 charges
OMPA	AG3-2006-028	1159596	$ 8,597,956	$ 8,603,598	$ 7,380,000		Indeterminate	$ 31,387,456	$ 6,094,339	$ -	$ 6,094,339
OMPA	AG3-2006-050	1162095	$ 7,513,057	$ 7,515,287	$ 7,513,057		$ -	$ 34,192,560	$ -	$ -	Sch 9 charges
OMPA	AG3-2006-087	1162617	$ 2,723,013	$ 2,727,032	$ 2,723,013		Indeterminate	$ 6,174,927	$ -	$ -	Sch 9 charges plus third party upgrades

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

Customer	Study Number	Reservation	[11]Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	[1]Letter of Credit Amount Required	[2]Potential Base Plan Engineering and Construction Funding Allowable	Notes	[4]Additional Engineering and Construction Cost for 3rd Party Upgrades	[3] Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	[3] Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	[4]Total Cost of Reservation Assignable to Customer contingent upon base plan funding
SEPC	AG3-2006-084	1162543	$ 19,545,369	$ 17,243,467	$ -		$ -	$ 114,810,756	$ 114,810,755	$ -	$ 114,810,755
SEPC	AG3-2006-085	1162537	$ 2,500,003	$ 1,668,031	$ -	8	$ -	$ 14,325,513	$ 14,325,513	$ -	$ 14,325,513
SEPC	AG3-2006-113	1162670	$ 10,108,718	$ 9,247,936	$ -	8	$ -	$ 41,011,272	$ 41,011,271	$ -	$ 41,011,271
SHDY	AG3-2006-082	1162514	$ 76,441,870	$ 76,450,440	$ -		Indeterminate	$ 160,190,206	$ 160,190,206	$ 36,540,000	$ 160,190,206
SHDY	AG3-2006-083	1162517	$ -	$ -	$ -		Indeterminate	$ -	$ -	$ 529,200	$ 529,200
SPSM	AG3-2006-115	1162675	$ 2,991,539	$ 829,606	$ -		$ -	$ 6,235,411	$ 6,235,411	$ 1,741,200	$ 6,235,411
UCU	AG3-2006-018D	1104638	$ -	$ -	$ -		$ -	$ -	$ -	$ -	Sch 9 charges
UCU	AG3-2006-025D	1152228	$ 6,347,662		$ -	8	$ -	$ 22,088,010	$ 22,088,010	$ -	$ 22,088,010
UCU	AG3-2006-052D	1162075	$ 3,045,637	$ 3,045,637	$ -	8	$ -	$ 11,411,388	$ 11,411,388	$ 19,718,640	$ 19,718,640
UCU	AG3-2006-088D	1162678	$ 1,492,945	$ 1,492,945	$ -	8	$ -	$ 5,593,756	$ 5,593,756	$ 9,666,000	$ 9,666,000
UCU	AG3-2006-088D	1162681	$ 1,492,945	$ 1,492,945	$ -	8	$ -	$ 5,593,756	$ 5,593,756	$ 9,666,000	$ 9,666,000
WFEC	AG3-2006-019	1152679	$ 81,174,892	$ 50,186,077	$ -	8	$ -	$ 333,020,030	$ 333,020,029	$ -	$ 333,020,029
WFEC	AG3-2006-119	1165215	$ 11,746,044	$ 11,437,775	$ -		$ -	$ 22,774,917	$ 22,774,917	$ -	$ 22,774,917
WFEC	AG3-2006-120	1165218	$ 10,438,307	$ 9,616,228	$ -		$ -	$ 21,476,640	$ 21,476,640	$ -	$ 21,476,640
WRGS	AG3-2006-024D	1161506	$ 812,525	$ -	$ 812,525	9	$ -	$ 2,214,315	$ -	$ -	Sch 9 charges
WRGS	AG3-2006-025	1140120	$ 739,925	$ -	$ -	9	$ -	$ 2,109,978	$ 2,109,978	$ -	$ 2,109,978
WRGS	AG3-2006-036D	1161997	$ 825,309	$ -	$ 825,309	9	$ -	$ 3,092,190	$ -	$ -	Sch 9 charges
Totals			$ 629,918,716		$ 304,595,112			$ 2,378,123,849	$ 1,137,063,697		

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 less the E & C allocation of expedited projects 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 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 or deferred 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. 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 or deferral 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 or deferral. For Expedited projects previously assigned, revenue requirements include only interest and carrying charge cost to expedite.

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. This includes prepayments required for any SWPA upgrades. 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: Midwest has a maximum of 385MW total resources for 2007 or 2008 for base plan funding consideration.

Note 6: Midwest has a maximum of 391MW total resources for 2010 for base plan funding consideration.

Note 7: Midwest has a maximum of 393MW total resources for 2011 for base plan funding consideration.

Note 8: Resource ratio exceeds 125% load criteria for base plan funding.

Note 9: Westar has a maximum of 7160MW total resources for 2009 base plan consideration. Thus a cap of 920MW new resouces eligible for base plan funding with no base funding for 1140120 if 1161506 and 1161997 confirmed.

Note 10: Requires a SWPA prepayment of $2000 for the Jones-Jonesboro 161kV upgrade.

Note 11: E & C for an expedited project was assigned to previous customer thus not included in this total.

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

Customer	Study Number
AECC	AG3-2006-001

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AECC	1161209	CSWS	CSWS	70	6/1/2011	6/1/2031			$ 1,260,000	$ -	$ 13,829,229	$ 47,812,079
									$ 1,260,000	$ -	$ 13,829,229	$ 47,812,079

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161209	ARKOMA - FT SMITHW 161KV CKT 1	6/1/2011	6/1/2011			$ 362,503	$ 2,900,000	$ 1,572,390
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 267,375	$ 31,000,000	$ 1,302,791
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 225,626	$ 4,000,000	$ 831,921
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 53,868	$ 955,000	$ 244,732
	DYESS - ELM SPRINGS REC 161KV CKT 1	6/1/2011	6/1/2011			$ 131,542	$ 3,000,000	$ 459,144
	DYESS - TONTITOWN 161KV CKT 1	6/1/2016	6/1/2016			$ 1,741,366	$ 3,000,000	$ 4,333,383
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 2,609,579	$ 56,000,000	$ 9,602,391
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 1,119,185	$ 50,000,000	$ 3,058,047
	HEMPSTEAD - MCNEIL 345kV CKT 1	6/1/2011	6/1/2011			$ 6,583,282	$ 75,000,000	$ 22,978,768
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 198,876	$ 114,441,767	$ 904,030
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 112,308	$ 46,671,570	$ 382,169
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 2,974	$ 1,236,047	$ 7,884
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 9	$ 232,012	$ 24
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 186	$ 5,000,000	$ 493
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 120,621
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 86,676
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 122	$ 4,654,872	$ 439
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 35	$ 1,345,670	$ 93
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 95,079	$ 5,000,000	$ 465,348
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 14,748	$ 12,298,670	$ 50,185
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,092	$ 2,287,577	$ 3,775
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 309,474	$ 93,558,233	$ 1,406,775
					Total	$ 13,829,229	$ 567,581,418	$ 47,812,079

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161209	BULL SHOALS - BULL SHOALS 161KV CKT 1	6/1/2009	6/1/2009		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Siloam Springs - South Fayetteville 161 kV	6/1/2014	6/1/2014		
	WALDRON CAPACITOR	6/1/2016	6/1/2016		

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

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

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

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

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

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1161209	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2010	6/1/2010
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2013	6/1/2013

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

Customer	Study Number
AECC	AG3-2006-002

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AECC	1161136	WR	CSWS	50	12/1/2007	12/1/2027	6/1/2009	6/1/2029	$ 900,000	$ -	$ 7,663,002	$ 27,593,551
									$ 900,000	$ -	$ 7,663,002	$ 27,593,551

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161136	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2008	6/1/2008			$ 2,463	$ 20,000	$ -
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 41	$ 90,000	$ -
	DYESS - ELM SPRINGS REC 161KV CKT 1	6/1/2011	6/1/2011			$ 94,759	$ 3,000,000	$ 280,527
	DYESS - TONTITOWN 161KV CKT 1	6/1/2016	6/1/2016			$ 1,258,634	$ 3,000,000	$ 2,656,476
	FT SMITH 500/345kV Transfromer	6/1/2011	6/1/2011			$ 3,729,404	$ 10,000,000	$ 13,084,539
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 42,161	$ 56,000,000	$ 131,580
	KINZE - MCELROY 138KV CKT 1	6/1/2010	6/1/2010			$ 15,378	$ 600,000	$ 59,423
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 1,480,810	$ 114,441,767	$ 5,605,475
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 138,606	$ 46,671,570	$ 401,658
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 3,671	$ 1,236,047	$ 8,928
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 556	$ 232,012	$ 1,352
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 11,977	$ 5,000,000	$ 29,128
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 1,162,691
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 867,787
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 2,328	$ 400,000	$ 8,812
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 13,571	$ 4,654,872	$ 43,434
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 3,923	$ 1,345,670	$ 9,541
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 32,803	$ 12,298,670	$ 95,058
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,383	$ 2,287,577	$ 7,015
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 709,119	$ 93,558,233	$ 2,684,307
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 120,415	$ 6,500,000	$ 455,820
					Total	$ 7,663,002	$ 416,336,418	$ 27,593,551

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161136	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2009		Yes
	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW	12/1/2007	4/1/2009		No
	Siloam Springs - South Fayetteville 161 kV	6/1/2014	6/1/2014		
	WALDRON CAPACITOR	6/1/2016	6/1/2016		

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

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

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161136	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No
	Chamber Springs - Tontitown 345 kV	12/1/2006	6/1/2009		Yes
	Flint Creek - East Centerton 345 kV	6/1/2011	6/1/2011		
	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

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

Customer	Study Number
AECC	AG3-2006-003

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AECC	1161131	WR	EES	50	12/1/2007	12/1/2027			$ -	$ 10,800,000	$ 2,809,701	$ 10,545,149
									$ -	$ 10,800,000	$ 2,809,701	$ 10,545,149

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161131	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 521	$ 90,000	$ -
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 477,991	$ 56,000,000	$ 1,318,260
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 358	$ 2,500,000	$ 839
	KINZE - MCELROY 138KV CKT 1	6/1/2010	6/1/2010			$ 11,252	$ 600,000	$ 37,898
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 1,138,222	$ 114,441,767	$ 3,755,520
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 177,565	$ 46,671,570	$ 456,096
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 4,703	$ 1,236,047	$ 10,721
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 282	$ 232,012	$ 643
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 6,081	$ 5,000,000	$ 13,863
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2011	6/1/2011			$ 2,065	$ 100,000	$ -
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 961,549
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 738,389
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 2,804	$ 400,000	$ 9,252
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 3,773	$ 4,654,872	$ 11,068
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 1,091	$ 1,345,670	$ 2,487
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 18,935	$ 12,298,670	$ 48,637
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,369	$ 2,287,577	$ 3,572
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 870,622	$ 93,558,233	$ 2,872,584
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 92,067	$ 6,500,000	$ 303,772
					Total	$ 2,809,701	$ 402,916,418	$ 10,545,149

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 Available
1161131	BEN WHEELER - BARTONS CHAPEL	6/1/2016	6/1/2016		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

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

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

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

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 Available
1161131	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1161131	KINGDOM CITY - WILLIAMSBURG 161KV CKT 1	6/1/2015	6/1/2015

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

Customer	Study Number
AEPM	AG3-2006-039

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1158760	CSWS	CSWS	160	7/1/2007	7/1/2012	6/1/2009	6/1/2014	$ 5,164,479	$ -	$ 5,175,808	$ 10,797,534
									$ 5,164,479	$ -	$ 5,175,808	$ 10,797,534

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1158760	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2011	6/1/2011			$ 29,894	$ 2,750,000	$ 53,077
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2008	6/1/2008			$ 8,769	$ 20,000	$ -
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 2,560	$ 90,000	$ -
	DYESS - ELM SPRINGS REC 161KV CKT 1	6/1/2011	6/1/2011			$ 1,386,849	$ 3,000,000	$ 2,454,536
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 1,303,169	$ 56,000,000	$ 2,431,451
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 618,667	$ 114,441,767	$ 1,338,374
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 347,639	$ 46,671,570	$ 608,491
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 9,207	$ 1,236,047	$ 16,679
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,719	$ 232,012	$ 3,114
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 37,054	$ 5,000,000	$ 67,125
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 261,540
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 214,841
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009			$ 471,236	$ 2,500,000	$ 960,744
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 Expedite	6/1/2008	6/1/2009	10/1/2008	Yes	$ -	$ 1,500,000	$ 164,393
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 Expedite	6/1/2008	6/1/2009	10/1/2008	Yes	$ -	$ 1,500,000	$ 164,392
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 16,884	$ 4,654,872	$ 36,824
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 4,881	$ 1,345,670	$ 8,842
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 33,318	$ 12,298,670	$ 58,318
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,991	$ 2,287,577	$ 3,540
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 901,971	$ 93,558,233	$ 1,951,251
					Total	$ 5,175,808	$ 404,086,418	$ 10,797,534

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158760	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2009		Yes
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2009	10/1/2008	Yes
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158760	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158760	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	6/1/2009		No
	ALUMAX TAP - BANN 138KV 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 Available
1158760	CANEY CREEK 345/138 kV	5/1/2010	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
AEPM	AG3-2006-040

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1158761	CSWS	CSWS	160	11/1/2007	11/1/2012	6/1/2009	6/1/2014	$ 5,164,479	$ -	$ 5,175,808	$ 10,797,534
									$ 5,164,479	$ -	$ 5,175,808	$ 10,797,534

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1158761	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2011	6/1/2011			$ 29,894	$ 2,750,000	$ 53,077
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2008	6/1/2008			$ 8,769	$ 20,000	$ -
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 2,560	$ 90,000	$ -
	DYESS - ELM SPRINGS REC 161KV CKT 1	6/1/2011	6/1/2011			$ 1,386,849	$ 3,000,000	$ 2,454,536
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 1,303,169	$ 56,000,000	$ 2,431,451
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 618,667	$ 114,441,767	$ 1,338,374
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 347,639	$ 46,671,570	$ 608,491
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 9,207	$ 1,236,047	$ 16,679
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,719	$ 232,012	$ 3,114
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 37,054	$ 5,000,000	$ 67,125
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 261,540
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 214,841
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009			$ 471,236	$ 2,500,000	$ 960,744
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 Expedite	6/1/2008	6/1/2009	10/1/2008	Yes	$ -	$ 1,500,000	$ 164,393
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 Expedite	6/1/2008	6/1/2009	10/1/2008	Yes	$ -	$ 1,500,000	$ 164,392
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 16,884	$ 4,654,872	$ 36,824
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 4,881	$ 1,345,670	$ 8,842
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 33,318	$ 12,298,670	$ 58,318
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,991	$ 2,287,577	$ 3,540
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 901,971	$ 93,558,233	$ 1,951,251
					Total	$ 5,175,808	$ 404,086,418	$ 10,797,534

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 Available
1158761	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2009		Yes
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2009	10/1/2008	Yes
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158761	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158761	AEPW PLANNED UPGRADE FOR NW ARKANSAS	12/1/2006	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 Available
1158761	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1158761	8WELLS 500 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008
	CLARENCE - MONTGOMERY 230KV 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
AEPM	AG3-2006-043

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162211	OKGE	CSWS	457	6/1/2011	6/1/2031			$ 40,394,273	$ -	$ 40,436,770	$ 196,964,176
									$ 40,394,273	$ -	$ 40,436,770	$ 196,964,176

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162211	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2011	6/1/2011			$ 85,429	$ 2,750,000	$ 299,138
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2009			$ 13,620	$ 75,000	$ -
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 19,070	$ 90,000	$ -
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	6/1/2010	6/1/2010			$ 15,748	$ 160,575	$ 76,857
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010			$ 9,807	$ 100,000	$ -
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 2,026,922	$ 56,000,000	$ 7,458,405
	KINZE - MCELROY 138KV CKT 1	6/1/2010	6/1/2010			$ 322,420	$ 600,000	$ 1,496,121
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2010	6/1/2010			$ 126,244	$ 300,000	$ 585,808
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 8,319,531	$ 114,441,767	$ 37,818,071
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 3,155,120	$ 46,671,570	$ 10,736,455
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 83,560	$ 1,236,047	$ 221,506
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,406	$ 232,012	$ 3,727
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 30,292	$ 5,000,000	$ 80,300
	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2016	6/1/2016			$ 2,474,166	$ 9,000,000	$ 7,199,141
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 14,402,650
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 10,349,517
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 188,473	$ 400,000	$ 856,741
	SOONER (SOONER5) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2011	6/1/2011			$ 2,527,413	$ 5,500,000	$ 10,874,263
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009			$ 1,312,517	$ 2,500,000	$ 5,277,381
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 210,144	$ 4,654,872	$ 755,356
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 60,750	$ 1,345,670	$ 161,040
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 97,615	$ 12,298,670	$ 332,171
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 8,602	$ 2,287,577	$ 29,735
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 18,255,928	$ 93,558,233	$ 82,985,925
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 1,091,993	$ 6,500,000	$ 4,963,870
					Total	$ 40,436,770	$ 420,701,993	$ 196,964,176

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162211	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2009		No
	FIXICO CAPACITOR	6/1/2016	6/1/2016		
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162211	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011		

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

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

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 Available
1162211	CANEY CREEK 345/138 kV	5/1/2010	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
AEPM	AG3-2006-044

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162214	CSWS	CSWS	455	6/1/2011	6/1/2031			$ 69,818,962	$ -	$ 69,818,962	$ 247,291,550
									$ 69,818,962	$ -	$ 69,818,962	$ 247,291,550

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162214	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 1,999,829	$ 31,000,000	$ 9,744,213
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 766,739	$ 4,000,000	$ 2,827,095
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 183,059	$ 955,000	$ 831,671
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 19,845,485	$ 56,000,000	$ 73,024,844
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 6,555,039	$ 50,000,000	$ 17,910,908
	HEMPSTEAD - MCNEIL 345kV CKT 1	6/1/2011	6/1/2011			$ 39,480,256	$ 75,000,000	$ 137,804,765
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 55,555	$ 114,441,767	$ 252,536
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 34,389	$ 46,671,570	$ 117,021
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 911	$ 1,236,047	$ 2,415
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 4,814	$ 232,012	$ 12,761
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 103,754	$ 5,000,000	$ 275,037
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 475,332
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 341,566
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 47,109	$ 4,654,872	$ 169,332
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 13,619	$ 1,345,670	$ 36,102
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 455,687	$ 5,000,000	$ 2,230,285
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 41,347	$ 12,298,670	$ 140,698
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 4,381	$ 2,287,577	$ 15,144
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 226,989	$ 93,558,233	$ 1,031,823
					Total	$ 69,818,962	$ 558,681,418	$ 247,243,550

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162214	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162214	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1162214	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2010	6/1/2010
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2013	6/1/2013

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

Customer	Study Number
AEPM	AG3-2006-045

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162223	CSWS	WFEC	15	8/1/2007	8/1/2012	6/1/2010	6/1/2015	$ 1,457,702	$ -	$ 1,461,738	$ 3,356,200
									$ 1,457,702	$ -	$ 1,461,738	$ 3,356,200

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162223	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2009			$ 860	$ 75,000	$ -
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		Yes	$ 301,913	$ 31,000,000	$ 767,184
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 1,038	$ 90,000	$ -
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	6/1/2010	6/1/2010			$ 2,536	$ 160,575	$ 6,455
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010			$ 1,580	$ 100,000	$ -
	GSEC Midway Interconnection #2	6/1/2011	6/1/2011			$ -	$ -	$ -
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 114,239	$ 56,000,000	$ 231,443
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 426,553	$ 50,000,000	$ 831,551
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 47,600	$ 114,441,767	$ 112,842
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 128,791	$ 46,671,570	$ 244,285
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 3,411	$ 1,236,047	$ 6,451
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,171	$ 232,012	$ 2,215
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 25,245	$ 5,000,000	$ 47,746
	Potter - Roosevelt 345KV Displacement	4/1/2007	6/1/2010		Yes	$ 9,530	$ 10,831,244	$ 23,725
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 78,016
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 62,882
	RUSSETT - RUSSETT 138KV CKT 1 OKGE	5/1/2010	5/1/2010			$ 558	$ 45,000	$ -
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 876	$ 400,000	$ 2,077
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 7,473	$ 4,654,872	$ 17,273
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 2,160	$ 1,345,670	$ 4,085
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 17,373	$ 5,000,000	$ 44,344
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 1,331	$ 12,298,670	$ 2,525
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 238	$ 2,287,577	$ 459
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 361,359	$ 93,558,233	$ 856,649
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 5,903	$ 6,500,000	$ 13,994
					Total	$ 1,461,738	$ 496,928,237	$ 3,356,200

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 Available
1162223	ANADARKO - CYRIL 69KV CKT 1	6/1/2008	6/1/2009		Yes
	CYRIL - MEDICINE PARK JCT 69KV CKT 1	6/1/2008	6/1/2009		No
	DUNCAN (DUNCAN) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	6/1/2009	6/1/2009		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162223	ANADARKO 138/69KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	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		

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 Available
1162223	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No

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

Customer AEPM
Study Number AG3-2006-072

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162484	CSWS	EES	11	1/1/2009	1/1/2014	6/1/2009	6/1/2014	$ 600,163	$ -	$ 600,901	$ 1,271,500
									$ 600,163	$ -	$ 600,901	$ 1,271,500

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162484	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2011	6/1/2011			$ 2,526	$ 2,750,000	$ 4,485
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 257,270	$ 56,000,000	$ 480,014
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 145,799	$ 114,441,767	$ 315,410
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 49,936	$ 46,671,570	$ 87,406
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,322	$ 1,236,047	$ 2,395
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 472	$ 232,012	$ 855
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 10,165	$ 5,000,000	$ 18,414
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2011	6/1/2011			$ 738	$ 100,000	$ -
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 43,161
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 35,455
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 5,259	$ 4,654,872	$ 11,470
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 1,520	$ 1,345,670	$ 2,754
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 6,075	$ 12,298,670	$ 10,633
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 409	$ 2,287,577	$ 727
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 119,410	$ 93,558,233	$ 258,322
					Total	$ 600,901	$ 395,576,418	$ 1,271,500

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162484	COCODRIE 230/138KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2009	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	Earliest Service Start Date	Redispatch Available
1162484	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

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

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

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1162484	ADAMS CREEK - BOGALUSA 230KV CKT 2	4/1/2007	4/1/2007

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

Customer	Study Number
AEPM	AG3-2006-073

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162486	CSWS	EES	25	1/1/2009	1/1/2014	6/1/2009	6/1/2014	$ 1,351,117	$ -	$ 1,352,778	$ 2,862,509
									$ 1,351,117	$ -	$ 1,352,778	$ 2,862,509

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162486	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2011	6/1/2011			$ 5,603	$ 2,750,000	$ 9,948
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 579,491	$ 56,000,000	$ 1,081,214
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 328,765	$ 114,441,767	$ 711,224
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 112,233	$ 46,671,570	$ 196,447
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 2,972	$ 1,236,047	$ 5,384
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,061	$ 232,012	$ 1,922
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 22,858	$ 5,000,000	$ 41,408
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2011	6/1/2011			$ 1,661	$ 100,000	$ -
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 97,176
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 79,825
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 11,847	$ 4,654,872	$ 25,838
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 3,425	$ 1,345,670	$ 6,205
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 13,675	$ 12,298,670	$ 23,936
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 921	$ 2,287,577	$ 1,638
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 268,266	$ 93,558,233	$ 580,345
					Total	$ 1,352,778	$ 395,576,418	$ 2,862,509

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162486	COCODRIE 230/138KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2009	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	Earliest Service Start Date	Redispatch Available
1162486	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

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

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

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1162486	ADAMS CREEK - BOGALUSA 230KV CKT 2	4/1/2007	4/1/2007

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

Customer	Study Number
AEPM	AG3-2006-074

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162487	CSWS	EES	20	1/1/2009	1/1/2014			$ 981,909	$ -	$ 983,170	$ 2,009,302
									$ 981,909	$ -	$ 983,170	$ 2,009,302

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162487	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2011	6/1/2011			$ 4,785	$ 2,750,000	$ 8,211
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 415,830	$ 56,000,000	$ 749,868
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 227,957	$ 114,441,767	$ 474,823
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 85,336	$ 46,671,570	$ 144,486
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 2,260	$ 1,236,047	$ 4,022
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 809	$ 232,012	$ 1,440
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 17,440	$ 5,000,000	$ 31,035
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2011	6/1/2011			$ 1,261	$ 100,000	$ -
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 68,801
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 56,961
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 8,647	$ 4,654,872	$ 18,412
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 2,500	$ 1,345,670	$ 4,449
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 9,274	$ 12,298,670	$ 15,702
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 619	$ 2,287,577	$ 1,065
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 206,452	$ 93,558,233	$ 430,029
					Total	$ 983,170	$ 395,576,418	$ 2,009,302

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162487	BAYOU RAPIDES - TWIN BRIDGES 138KV CKT 1	6/1/2011	6/1/2011		
	COCODRIE 230/138KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2009	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	Earliest Service Start Date	Redispatch Available
1162487	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162487	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

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

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1162487	3GRENWD 115 - HUMPHREY 115KV CKT 1	6/1/2007	6/1/2007
	3GRENWD 115 - TERREBONNE 115KV CKT 1	6/1/2007	6/1/2007
	4KSPRGS 138 - CHAMPAGNE 138KV CKT 1	6/1/2007	6/1/2007
	4KSPRGS 138 - LINE 642 TAP 138KV CKT 1	6/1/2007	6/1/2007
	ADAMS CREEK - BOGALUSA 230KV CKT 2	4/1/2007	4/1/2007
	DOC BONIN 230/138KV TRANSFORMER CKT 1	6/1/2011	6/1/2011
	GIBSON - HUMPHREY 115KV CKT 1	6/1/2007	6/1/2007
	LINE 642 TAP - LIVONIA BULK 138KV CKT 1	6/1/2007	6/1/2007
	LIVONIA BULK - WILBERT 138KV CKT 1	6/1/2007	6/1/2007

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

Customer	**Reservation**	**POR**	**POD**	**Requested Amount**	**Requested Start Date**	**Requested Stop Date**	**Deferred Start Date Without Redispatch**	**Deferred Stop Date Without Redispatch**	**Potential Base Plan Funding Allowable**	**Point-to-Point Base Rate**	**Allocated E & C Cost**	**Total Revenue Requirements**
AEPM	1162491	CSWS	EES	19	1/1/2009	1/1/2014	6/1/2009	6/1/2014	$ 1,068,866	$ -	$ 1,070,178	$ 2,254,825
									$ 1,068,866	$ -	$ 1,070,178	$ 2,254,825

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162491	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2011	6/1/2011			$ 4,345	$ 2,750,000	$ 7,715
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 479,146	$ 56,000,000	$ 893,990
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 245,693	$ 114,441,767	$ 531,512
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 87,097	$ 46,671,570	$ 152,451
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 2,307	$ 1,236,047	$ 4,179
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 818	$ 232,012	$ 1,482
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 17,634	$ 5,000,000	$ 31,945
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2011	6/1/2011			$ 1,312	$ 100,000	$ -
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 74,259
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 61,000
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 8,989	$ 4,654,872	$ 19,605
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 2,599	$ 1,345,670	$ 4,708
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 10,176	$ 12,298,670	$ 17,812
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 686	$ 2,287,577	$ 1,220
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 209,376	$ 93,558,233	$ 452,947
					Total	$ 1,070,178	$ 395,576,418	$ 2,254,825

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162491	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2009	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	Earliest Service Start Date	Redispatch Available
1162491	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

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

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

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

Customer	Study Number
AEPM	AG3-2006-076

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162492	CSWS	EES	9	1/1/2009	1/1/2014			$ 453,355	$ -	$ 453,950	$ 927,874
									$ 453,355	$ -	$ 453,950	$ 927,874

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162492	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2011	6/1/2011			$ 2,287	$ 2,750,000	$ 3,925
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 190,968	$ 56,000,000	$ 344,373
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 102,503	$ 114,441,767	$ 213,509
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 40,308	$ 46,671,570	$ 68,247
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,068	$ 1,236,047	$ 1,901
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 382	$ 232,012	$ 680
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 8,238	$ 5,000,000	$ 14,660
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2011	6/1/2011			$ 595	$ 100,000	$ -
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 31,908
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 26,417
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 3,993	$ 4,654,872	$ 8,502
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 1,154	$ 1,345,670	$ 2,054
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 4,122	$ 12,298,670	$ 6,979
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 274	$ 2,287,577	$ 471
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 98,058	$ 93,558,233	$ 204,250
					Total	$ 453,950	$ 395,576,418	$ 927,874

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162492	COCODRIE 230/138KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2009	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	Earliest Service Start Date	Redispatch Available
1162492	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1162492	3GRENWD 115 - HUMPHREY 115KV CKT 1	6/1/2007	6/1/2007
	3GRENWD 115 - TERREBONNE 115KV CKT 1	6/1/2007	6/1/2007
	4KSPRGS 138 - CHAMPAGNE 138KV CKT 1	6/1/2007	6/1/2007
	4KSPRGS 138 - LINE 642 TAP 138KV CKT 1	6/1/2007	6/1/2007
	ADAMS CREEK - BOGALUSA 230KV CKT 2	4/1/2007	4/1/2007
	DOC BONIN 230/138KV TRANSFORMER CKT 1	6/1/2011	6/1/2011
	GIBSON - HUMPHREY 115KV CKT 1	6/1/2007	6/1/2007
	LINE 642 TAP - LIVONIA BULK 138KV CKT 1	6/1/2007	6/1/2007
	LIVONIA BULK - WILBERT 138KV CKT 1	6/1/2007	6/1/2007

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

Customer	Study Number
AEPM	AG3-2006-077

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162494	CSWS	EES	17	1/1/2009	1/1/2014			$ 798,234	$ -	$ 799,336	$ 1,633,359
									$ 798,234	$ -	$ 799,336	$ 1,633,359

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162494	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2011	6/1/2011			$ 5,789	$ 2,750,000	$ 9,934
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 333,174	$ 56,000,000	$ 600,814
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 167,056	$ 114,441,767	$ 347,969
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 74,548	$ 46,671,570	$ 126,220
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,974	$ 1,236,047	$ 3,513
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 710	$ 232,012	$ 1,263
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 15,301	$ 5,000,000	$ 27,229
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2011	6/1/2011			$ 1,102	$ 100,000	$ -
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 56,599
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 46,860
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 7,012	$ 4,654,872	$ 14,930
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 2,027	$ 1,345,670	$ 3,607
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 6,483	$ 12,298,670	$ 10,977
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 420	$ 2,287,577	$ 722
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 183,740	$ 93,558,233	$ 382,721
					Total	$ 799,336	$ 395,576,418	$ 1,633,359

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162494	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2009	10/1/2008	Yes
	Natchitoches Capacitor	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162494	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1162494	4KSPRGS 138 - CHAMPAGNE 138KV CKT 1	6/1/2007	6/1/2007
	4KSPRGS 138 - LINE 642 TAP 138KV CKT 1	6/1/2007	6/1/2007
	LINE 642 TAP - LIVONIA BULK 138KV CKT 1	6/1/2007	6/1/2007
	LIVONIA BULK - WILBERT 138KV CKT 1	6/1/2007	6/1/2007

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

Customer	**Study Number**
AEPM	AG3-2006-091

Customer	**Reservation**	**POR**	**POD**	**Requested Amount**	**Requested Start Date**	**Requested Stop Date**	**Deferred Start Date Without Redispatch**	**Deferred Stop Date Without Redispatch**	**Potential Base Plan Funding Allowable**	**Point-to-Point Base Rate**	**Allocated E & C Cost**	**Total Revenue Requirements**
AEPM	1162766	CSWS	CSWS	100	6/1/2007	6/1/2008	6/1/2009	6/1/2010	$ -	$ 1,260,000	$ 411,954	$ 1,029,588
									$ -	$ 1,260,000	$ 411,954	$ 1,029,588

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162766	5 TRIBES - HANCOCK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 12,343	$ 100,000	$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 148,118	$ 1,200,000	$ 271,197
	AGENCY - PECAN CREEK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 12,343	$ 100,000	$ -
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009		Yes	$ 239,150	$ 1,937,514	$ 435,490
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 Expedite	6/1/2008	6/1/2009	10/1/2008	Yes	$ -	$ 1,500,000	$ 161,452
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 Expedite	6/1/2008	6/1/2009	10/1/2008	Yes	$ -	$ 1,500,000	$ 161,448
					Total	$ 411,954	$ 6,337,514	$ 1,029,588

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162766	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2009	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	Earliest Service Start Date	Redispatch Available
1162766	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1162766	8WELLS 500 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008

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

Customer AEPM
Study Number AG3-2006-092

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162763	CSWS	CSWS	100	6/1/2007	6/1/2008	6/1/2009	6/1/2010	$ -	$ 1,260,000	$ 579,818	$ 1,317,670
									$ -	$ 1,260,000	$ 579,818	$ 1,317,670

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162763	5 TRIBES - HANCOCK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 17,373	$ 100,000	$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 208,473	$ 1,200,000	$ 381,704
	AGENCY - PECAN CREEK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 17,373	$ 100,000	$ -
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009		Yes	$ 336,599	$ 1,937,514	$ 612,944
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 Expedite	6/1/2008	6/1/2009	10/1/2008	Yes	$ -	$ 1,500,000	$ 161,511
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 Expedite	6/1/2008	6/1/2009	10/1/2008	Yes	$ -	$ 1,500,000	$ 161,511
					Total	$ 579,818	$ 6,337,514	$ 1,317,670

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162763	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2009	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	Earliest Service Start Date	Redispatch Available
1162763	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1162763	8WELLS 500 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008

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

Customer	Study Number
AEPM	AG3-2006-094

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1163062	CSWS	CSWS	550	6/1/2010	6/1/2015			$ 24,994,748	$ -	$ 24,994,748	$ 50,998,868
									$ 24,994,748	$ -	$ 24,994,748	$ 50,998,868

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1163062	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2011	6/1/2011			$ 2,579,449	$ 2,750,000	$ 4,972,952
	ARSENAL HILL - NORTH MARKET 69KV CKT 1	6/1/2009	4/1/2009			$ 2,500,000	$ 2,500,000	$ 4,580,218
	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2010	6/1/2010			$ 1,437,582	$ 2,000,000	$ 2,424,796
	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	6/1/2010	6/1/2010			$ 1,437,696	$ 2,000,000	$ 2,424,988
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 2,605,287	$ 31,000,000	$ 6,620,233
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 926,705	$ 4,000,000	$ 1,881,289
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 221,251	$ 955,000	$ 524,215
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 4,146,253	$ 56,000,000	$ 8,400,129
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 7,631,825	$ 50,000,000	$ 14,877,990
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 473,390	$ 114,441,767	$ 1,122,234
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 6,181	$ 46,671,570	$ 11,724
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 164	$ 1,236,047	$ 310
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 6,238	$ 232,012	$ 11,798
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 134,426	$ 5,000,000	$ 254,240
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 395,802
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 319,023
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 69,075	$ 4,654,872	$ 159,656
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 19,969	$ 1,345,670	$ 37,767
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 539,156	$ 5,000,000	$ 1,376,169
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 24,795	$ 12,298,670	$ 47,030
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 3,421	$ 2,287,577	$ 6,592
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 231,885	$ 93,558,233	$ 549,714
					Total	$ 24,994,748	$ 492,931,418	$ 50,998,868

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1163062	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	PORT ROBSON - REDPOINT 138kV	6/1/2011	6/1/2011		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1163062	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2010	6/1/2010
1163062	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2013	6/1/2013

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

Customer AEPM
Study Number AG3-2006-095

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162768	OKGE	CSWS	100	6/1/2007	6/1/2008	10/1/2008	10/1/2009	$ -	$ 1,260,000	$ 3,838	$ 117,724
									$ -	$ 1,260,000	$ 3,838	$ 117,724

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162768	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2009			$ 3,838	$ 75,000	$ -
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 Expedite	6/1/2008	6/1/2009	10/1/2008	Yes	$ -	$ 1,500,000	$ 58,860
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 Expedite	6/1/2008	6/1/2009	10/1/2008	Yes	$ -	$ 1,500,000	$ 58,864
					Total	$ 3,838	$ 3,075,000	$ 117,724

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162768	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2009	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	Earliest Service Start Date	Redispatch Available
1162768	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1162768	8WELLS 500 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008

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

Customer EXGN
Study Number AG3-2006-042D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
EXGN	1162087	CSWS	SPS	104	6/1/2007	6/1/2008	6/1/2010	6/1/2011	$ -	$ 1,810,848	$ -	$ -
									$ -	$ 1,810,848	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162087	SPS MUST RUN GENERATION #1	10/1/2007	10/1/2007			$ -	$ -	$ -
					Total	$ -	$ -	$ -

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162087	CARLSBAD PLANT 115/69KV TRANSFORMERS	6/1/2007	6/1/2008		Yes
	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	6/1/2007	6/1/2008		Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162087	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008		
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV CKT 1	12/1/2006	12/1/2006		
	EAST CENTRAL HENRYETTA - WELEETKA 138KV CKT 1	6/1/2007	6/1/2007		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162087	HOBBS 115 KV Lines	12/1/2008	6/1/2008		
	HOBBS Substation and Lines	12/1/2008	6/1/2008		
	Mustang-San Andr-Amerada Hess 115KV Displacement	6/1/2007	6/1/2008		Yes
	TUCO INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2007	6/1/2008		Yes
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		

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

Customer GRDX
Study Number AG3-2006-032

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GRDX	1161666	CSWS	GRDA	150	2/1/2007	2/1/2008	6/1/2009	6/1/2010	$ -	$ -	$ 2,391,846	$ 3,820,070
									$ -	$ -	$ 2,391,846	$ 3,820,070

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161666	5 TRIBES - HANCOCK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 36,829	$ 100,000	$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 441,947	$ 1,200,000	$ 809,184
	AGENCY - PECAN CREEK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 36,829	$ 100,000	$ -
	CLAREMORE (CLRAUTO3) 161/69/13.8KV TRANSFORMER CKT 3	6/1/2007	6/1/2009	10/1/2008	Yes	$ 1,162,675	$ 2,300,000	$ 1,711,488
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009		Yes	$ 713,566	$ 1,937,514	$ 1,299,398
					Total	$ 2,391,846	$ 5,637,514	$ 3,820,070

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161666	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2009	6/1/2009		
	Grove Neo 14.4MVAR Cap	6/1/2007	12/1/2008		No
	Kansas 7.2MVAR Cap	6/1/2008	12/1/2008		No
	SCoffeyville Capacitor	6/1/2008	6/1/2008		
	Turkey Ford 7.2MVAR Cap	6/1/2007	12/1/2008		No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161666	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161666	Chamber Springs - Tontitown 345 kV	12/1/2006	6/1/2009		Yes
	Ramona 138/69 kV	4/1/2007	4/1/2008		No

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1161666	TALLANT - RAMONA 161kV CKT 1	4/1/2007	10/1/2008

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

Customer GRDX
Study Number AG3-2006-033

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GRDX	1161667	OKGE	GRDA	150	2/1/2007	2/1/2008	6/1/2009	6/1/2010	$ -	$ -	$ 1,640,307	$ 2,537,011
									$ -	$ -	$ 1,640,307	$ 2,537,011

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161667	5 TRIBES - HANCOCK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 15,071	$ 100,000	$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 180,846	$ 1,200,000	$ 331,120
	AGENCY - PECAN CREEK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 15,071	$ 100,000	$ -
	CLAREMORE (CLRAUTO3) 161/69/13.8KV TRANSFORMER CKT 3	6/1/2007	6/1/2009	10/1/2008	Yes	$ 1,137,325	$ 2,300,000	$ 1,674,172
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009		Yes	$ 291,994	$ 1,937,514	$ 531,719
					Total	$ 1,640,307	$ 5,637,514	$ 2,537,011

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161667	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2009	6/1/2009		
	Grove Neo 14.4MVAR Cap	6/1/2007	12/1/2008		No
	Kansas 7.2MVAR Cap	6/1/2008	12/1/2008		No
	SCoffeyville Capacitor	6/1/2008	6/1/2008		
	Turkey Ford 7.2MVAR Cap	6/1/2007	12/1/2008		No

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

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

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

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

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1161667	TALLANT - RAMONA 161kV CKT 1	4/1/2007	10/1/2008

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

Customer	Study Number
GSEC	AG3-2006-008

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1161197	SECI	SPS	400	9/1/2011	9/1/2041			$ 66,933,070	$ -	$ 66,945,225	$ 338,122,827
GSEC	1161198	SECI	SPS	30	9/1/2011	9/1/2041			$ 5,019,950	$ -	$ 5,020,862	$ 25,359,044
									$ 71,953,020	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161197	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 8,987	$ 90,000	$ -
	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 212,136	$ 2,500,000	$ 1,129,886
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	6/1/2010	6/1/2010			$ 5,087	$ 160,575	$ 34,119
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010			$ 3,168	$ 100,000	$ -
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		No	$ 61,893	$ 153,114	$ 463,334
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 1,022,958	$ 56,000,000	$ 5,084,820
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 2,691,259	$ 50,000,000	$ 8,878,921
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 10,944	$ 2,500,000	$ 36,001
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	1/1/2008	10/1/2007	No	$ 72,636	$ 150,000	$ 487,598
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 10,432,831	$ 114,441,767	$ 65,326,665
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 30,631,157	$ 46,671,570	$ 140,155,287
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 811,234	$ 1,236,047	$ 2,596,541
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 25,947	$ 232,012	$ 83,049
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 559,166	$ 5,000,000	$ 1,789,739
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 547,360	$ 4,200,000	$ 2,753,002
	Potter - Roosevelt 345KV Displacement	4/1/2007	6/1/2010		No	$ 7,589,399	$ 10,831,244	$ 45,578,891
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 3,947,850
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 2,717,542
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 4,563	$ 400,000	$ 28,572
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 1,875,169	$ 4,654,872	$ 8,544,714
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 542,090	$ 1,345,670	$ 1,735,084
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 7,078,844	$ 12,298,670	$ 32,389,812
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,803,857	$ 2,287,577	$ 8,384,410
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 705,855	$ 93,558,233	$ 4,419,812
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 248,685	$ 6,500,000	$ 1,557,177
					Total	$ 66,945,225	$ 470,311,351	$ 338,122,827
1161198	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 674	$ 90,000	$ -
	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 15,900	$ 2,500,000	$ 84,687
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	6/1/2010	6/1/2010			$ 382	$ 160,575	$ 2,568
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010			$ 238	$ 100,000	$ -
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		No	$ 4,642	$ 153,114	$ 34,750
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 76,729	$ 56,000,000	$ 381,397
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 201,844	$ 50,000,000	$ 665,918
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 821	$ 2,500,000	$ 2,701
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	1/1/2008	10/1/2007	No	$ 5,448	$ 150,000	$ 36,572
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 782,462	$ 114,441,767	$ 4,899,498
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 2,297,337	$ 46,671,570	$ 10,511,648
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 60,843	$ 1,236,047	$ 194,742
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,946	$ 232,012	$ 6,229
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 41,933	$ 5,000,000	$ 134,216
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 41,052	$ 4,200,000	$ 206,475
	Potter - Roosevelt 345KV Displacement	4/1/2007	6/1/2010		No	$ 569,205	$ 10,831,244	$ 3,418,417
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 296,101
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 203,824
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 342	$ 400,000	$ 2,141
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 140,638	$ 4,654,872	$ 640,855
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 40,657	$ 1,345,670	$ 130,132
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 530,924	$ 12,298,670	$ 2,429,285
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 135,289	$ 2,287,577	$ 628,830
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 52,905	$ 93,558,233	$ 331,272
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 18,651	$ 6,500,000	$ 116,786
					Total	$ 5,020,862	$ 470,311,351	$ 25,359,044

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 Available
1161197	COX INTERCHANGE - LH-COX3 115KV CKT 1	6/1/2016	6/1/2016		
	HALE CO INTERCHANGE - LH-COX3 115KV CKT 1	6/1/2016	6/1/2016		
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	Hitchland 345 and 115 kV Interchange	6/1/2010	6/1/2010		
	KRESS INTERCHANGE 115/69KV TRANSFORMER CKT 2	6/1/2011	6/1/2011		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Pringle - Etter 115 kV	6/1/2010	6/1/2010		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2010	6/1/2010		
	TUCO INTERCHANGE 115/69KV TRANSFORMER	6/1/2011	6/1/2011		
1161198	COX INTERCHANGE - LH-COX3 115KV CKT 1	6/1/2016	6/1/2016		
	HALE CO INTERCHANGE - LH-COX3 115KV CKT 1	6/1/2016	6/1/2016		
	Hart Interchange 230/115 kV	6/1/2011	6/1/2011		
	Hitchland 345 and 115 kV Interchange	6/1/2010	6/1/2010		
	KRESS INTERCHANGE 115/69KV TRANSFORMER CKT 2	6/1/2011	6/1/2011		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Pringle - Etter 115 kV	6/1/2010	6/1/2010		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2010	6/1/2010		
	TUCO INTERCHANGE 115/69KV TRANSFORMER	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161197	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		
1161198	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 Available
1161197	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No
1161198	CANEY CREEK 345/138 kV	5/1/2010	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
GSEC	AG3-2006-100

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1162688	SPS	SPS	10	3/1/2007	3/1/2037	6/1/2010	6/1/2040	$ -	$ -	$ 3,214,454	$ 15,674,245
									$ -	$ -	$ 3,214,454	$ 15,674,245

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162688	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displaceme	4/1/2007	6/1/2010		No	$ 359,320	$ 359,320	$ 1,879,689
	GSEC Midway Interconnection #1	6/1/2007	6/1/2007			$ 70,000	$ 70,000	$ -
	GSEC Midway Interconnection #2	6/1/2011	6/1/2011			$ -	$ -	$ -
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 548,897	$ 114,441,767	$ 3,064,911
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 548,355	$ 46,671,570	$ 2,268,975
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 14,523	$ 1,236,047	$ 44,043
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,500	$ 232,012	$ 4,549
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 32,334	$ 5,000,000	$ 98,057
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2 Displacement	4/1/2007	6/1/2010		No	$ 887,132	$ 887,132	$ 4,803,912
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 11,929
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 8,409
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 2,680	$ 4,654,872	$ 11,356
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 775	$ 1,345,670	$ 2,350
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 461,905	$ 12,298,670	$ 1,911,264
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 27,472	$ 2,287,577	$ 115,474
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 259,561	$ 93,558,233	$ 1,449,327
					Total	$ 3,214,454	$ 338,042,870	$ 15,674,245

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162688	BC-EARTH INTERCHANGE 115KV	6/1/2011	6/1/2011		
	ELK CITY - ELK CITY 69KV CKT 1 AEPW	6/1/2007	12/1/2008		Yes
	Hitchland 345 and 115 kV Interchange	6/1/2010	6/1/2010		
	LC-SOL3 115KV	6/1/2016	6/1/2016		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Stateline Project	6/1/2014	6/1/2014		
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2010	6/1/2010		

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

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162688	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2011	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	Redispatch Available
1162688	Potter - Roosevelt 345KV Displacement	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
KCPS	AG3-2006-101

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	1162685	AECI	KCPL	50	6/1/2007	6/1/2008	4/1/2009	4/1/2010	$ -	$ -	$ 135,688	$ 242,023
KCPS	1162686	AECI	KCPL	50	6/1/2007	6/1/2008	4/1/2009	4/1/2010	$ -	$ -	$ 135,688	$ 242,023
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162685	COOK - ST JOE 161KV CKT 1	12/1/2007	4/1/2009		Yes	$ 135,688	$ 4,400,000	$ 242,023
					Total	$ 135,688	$ 4,400,000	$ 242,023
1162686	COOK - ST JOE 161KV CKT 1	12/1/2007	4/1/2009		Yes	$ 135,688	$ 4,400,000	$ 242,023
					Total	$ 135,688	$ 4,400,000	$ 242,023

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

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

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

Customer	Study Number
KCPS	AG3-2006-103

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	1162650	KCPL	CLEC	52	2/1/2007	2/1/2008	6/1/2010	6/1/2011	$ -	$ 655,200	$ 43,266	$ 92,311
KCPS	1162651	KCPL	CLEC	51	2/1/2007	2/1/2008	6/1/2010	6/1/2011	$ -	$ 642,600	$ 42,435	$ 90,538
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162650	Potter - Roosevelt 345KV Displacemen	4/1/2007	6/1/2010		Yes	$ 43,266	$ 10,831,244	$ 92,311
					Total	$ 43,266	$ 10,831,244	$ 92,311
1162651	Potter - Roosevelt 345KV Displacemen	4/1/2007	6/1/2010		Yes	$ 42,435	$ 10,831,244	$ 90,538
					Total	$ 42,435	$ 10,831,244	$ 90,538

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162650	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1162651	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1162650	3DODSON 115 - DANVILLE 115 (LPL) 115KV CKT 1	4/1/2007	4/1/2007
	3DODSON 115 - WINNFIELD 115KV CKT 1	4/1/2007	4/1/2007
	3GRENWD 115 - HUMPHREY 115KV CKT 1	6/1/2007	6/1/2007
	3GRENWD 115 - TERREBONNE 115KV CKT 1	6/1/2007	6/1/2007
	3RUSTNE 115 - DOWNSVILLE 115KV CKT 1	4/1/2007	4/1/2007
	3RUSTNE 115 - VIENNA 115KV CKT 1	4/1/2007	4/1/2007
	4KSPRGS 138 - CHAMPAGNE 138KV CKT 1	6/1/2007	6/1/2007
	4KSPRGS 138 - LINE 642 TAP 138KV CKT 1	6/1/2007	6/1/2007
	8WELLS 500 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008
	ADAMS CREEK - BOGALUSA 230KV CKT 2	4/1/2007	4/1/2007
	FRONT STREET - SLIDELL 230KV CKT 1	4/1/2007	4/1/2007
	GIBSON - HUMPHREY 115KV CKT 1	6/1/2007	6/1/2007
	GIBSON - RAMOS 138KV CKT 1	6/1/2007	6/1/2007
	GIBSON 138/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2008
	LINE 642 TAP - LIVONIA BULK 138KV CKT 1	6/1/2007	6/1/2007
	LIVONIA BULK - WILBERT 138KV CKT 1	6/1/2007	6/1/2007
1162651	3DODSON 115 - DANVILLE 115 (LPL) 115KV CKT 1	4/1/2007	4/1/2007
	3DODSON 115 - WINNFIELD 115KV CKT 1	4/1/2007	4/1/2007
	3GRENWD 115 - HUMPHREY 115KV CKT 1	6/1/2007	6/1/2007
	3GRENWD 115 - TERREBONNE 115KV CKT 1	6/1/2007	6/1/2007
	3RUSTNE 115 - DOWNSVILLE 115KV CKT 1	4/1/2007	4/1/2007
	3RUSTNE 115 - VIENNA 115KV CKT 1	4/1/2007	4/1/2007
	4KSPRGS 138 - CHAMPAGNE 138KV CKT 1	6/1/2007	6/1/2007
	4KSPRGS 138 - LINE 642 TAP 138KV CKT 1	6/1/2007	6/1/2007
	8WELLS 500 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008
	ADAMS CREEK - BOGALUSA 230KV CKT 2	4/1/2007	4/1/2007
	FRONT STREET - SLIDELL 230KV CKT 1	4/1/2007	4/1/2007
	GIBSON - HUMPHREY 115KV CKT 1	6/1/2007	6/1/2007
	GIBSON - RAMOS 138KV CKT 1	6/1/2007	6/1/2007
	GIBSON 138/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2008
	LINE 642 TAP - LIVONIA BULK 138KV CKT 1	6/1/2007	6/1/2007
	LIVONIA BULK - WILBERT 138KV CKT 1	6/1/2007	6/1/2007

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

Customer KCPS **Study Number** AG3-2006-104

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	1162654	KCPL	SPA	16	2/1/2007	2/1/2008	6/1/2010	6/1/2011	$ -	$ 172,800	$ 93,034	$ 178,034
									$ -	$ 172,800	$ 93,034	$ 178,034

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162654	5 TRIBES - HANCOCK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 2,416	$ 100,000	$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 28,997	$ 1,200,000	$ 58,180
	AGENCY - PECAN CREEK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 2,416	$ 100,000	$ -
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009		Yes	$ 46,818	$ 1,937,514	$ 93,425
	Potter - Roosevelt 345KV Displacemen	4/1/2007	6/1/2010		Yes	$ 12,387	$ 10,831,244	$ 26,428
					Total	$ 93,034	$ 14,168,758	$ 178,034

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162654	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1162654	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2010	6/1/2010

Customer KCPS **Study Number** AG3-2006-106

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	1162649	WPEK	KCPL	101	2/1/2007	2/1/2037	6/1/2010	6/1/2040	$ 1,800,000	$ -	$ 29,652,610	$ 165,159,703
									$ 1,800,000	$ -	$ 29,652,610	$ 165,159,703

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162649	COLLEGE - CRAIG 161KV CKT 1 Expedite	6/1/2011	6/1/2011			$ -	$ 700,000	$ -
	COOK - ST JOE 161KV CKT 1	12/1/2007	4/1/2009		Yes	$ 280,962	$ 4,400,000	$ 1,489,971
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		Yes	$ 57,164	$ 153,114	$ 382,128
	GSEC Midway Interconnection #2	6/1/2011	6/1/2011			$ -	$ -	$ -
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	1/1/2008	10/1/2007	Yes	$ 67,086	$ 150,000	$ 402,139
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 16,532,777	$ 114,441,767	$ 92,315,117
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 47,276	$ 46,671,570	$ 195,618
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,252	$ 1,236,047	$ 3,797
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 15,796	$ 232,012	$ 47,903
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 340,405	$ 5,000,000	$ 1,032,323
	Potter - Roosevelt 345KV Displacement	4/1/2007	6/1/2010		Yes	$ 361,633	$ 10,831,244	$ 1,964,022
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 1,668,789
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 1,176,328
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 664,629	$ 4,654,872	$ 2,816,283
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 192,137	$ 1,345,670	$ 582,681
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 9,543	$ 5,000,000	$ 57,373
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 552,048	$ 12,298,670	$ 2,284,256
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 40,210	$ 2,287,577	$ 169,015
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 10,489,692	$ 93,558,233	$ 58,571,960
					Total	$ 29,652,610	$ 357,960,776	$ 165,159,703

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 Available
1162649	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2014	6/1/2014		
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2016	6/1/2016		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	10/1/2009		Yes
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162649	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162649	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

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	Redispatch Available
1162649	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	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
MIDW	AG3-2006-058

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1162131	WR	WR	40	6/1/2010	6/1/2020			$ -	$ -	$ 672,970	$ 1,911,828
MIDW	1162136	WR	WR	10	6/1/2010	6/1/2020			$ -	$ -	$ 672,970	$ 1,911,828
MIDW	1162175	WR	WR	68	6/1/2008	6/1/2038			$ -	$ -	$ 672,970	$ 3,009,973
MIDW	1162176	WR	WR	16	6/1/2008	6/1/2038	6/1/2009	6/1/2039	$ -	$ -	$ 672,970	$ 3,282,432
MIDW	1162183	WR	WR	40	6/1/2010	6/1/2030			$ -	$ -	$ 672,970	$ 2,687,090
MIDW	1162190	WR	WR	10	6/1/2010	6/1/2030			$ -	$ -	$ 672,970	$ 2,687,090
MIDW	1162191	WR	WR	40	6/1/2010	6/1/2030			$ -	$ -	$ 1,144,242	$ 4,568,712
MIDW	1162192	WR	WR	10	6/1/2010	6/1/2030			$ -	$ -	$ 1,346,228	$ 5,375,144
MIDW	1162193	WR	WR	20	6/1/2010	6/1/2030			$ -	$ -	$ 1,346,228	$ 5,375,144
MIDW	1162194	WR	WR	5	6/1/2010	6/1/2030			$ -	$ -	$ -	$ -
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162131	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011			$ 102,462	$ 1,200,000	$ 269,915
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 1,735	$ 31,000,000	$ 5,401
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 1,025	$ 300,000	$ 2,767
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 6,337	$ 2,000,000	$ 16,689
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,753	$ 174,198	$ 5,712
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 2,753	$ 174,198	$ 5,712
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 13,965	$ 50,000,000	$ 30,149
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 42	$ 2,500,000	$ 90
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 298,379	$ 114,441,767	$ 866,587
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 12,062	$ 46,671,570	$ 27,417
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 319	$ 1,236,047	$ 668
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 271	$ 232,012	$ 568
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 5,843	$ 5,000,000	$ 12,238
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 17,219
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 13,363
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 11,348	$ 4,654,872	$ 30,013
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 3,280	$ 1,345,670	$ 6,870
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 15,715	$ 12,298,670	$ 35,721
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,149	$ 2,287,577	$ 2,653
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 193,532	$ 93,558,233	$ 562,078
					Total	$ 672,970	$ 424,074,814	$ 1,911,828
1162136	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011			$ 102,462	$ 1,200,000	$ 269,915
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 1,735	$ 31,000,000	$ 5,401
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 1,025	$ 300,000	$ 2,767
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 6,337	$ 2,000,000	$ 16,689
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,753	$ 174,198	$ 5,712
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 2,753	$ 174,198	$ 5,712
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 13,965	$ 50,000,000	$ 30,149
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 42	$ 2,500,000	$ 90
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 298,379	$ 114,441,767	$ 866,587
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 12,062	$ 46,671,570	$ 27,417
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 319	$ 1,236,047	$ 668
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 271	$ 232,012	$ 568
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 5,843	$ 5,000,000	$ 12,238
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 17,219
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 13,363
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 11,348	$ 4,654,872	$ 30,013
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 3,280	$ 1,345,670	$ 6,870
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 15,715	$ 12,298,670	$ 35,721
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,149	$ 2,287,577	$ 2,653
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 193,532	$ 93,558,233	$ 562,078
					Total	$ 672,970	$ 424,074,814	$ 1,911,828

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

1162175	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011			$ 102,462	$ 1,200,000	$ 407,653
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 1,735	$ 31,000,000	$ 8,647
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 1,025	$ 300,000	$ 4,179
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 6,337	$ 2,000,000	$ 25,206
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,753	$ 174,198	$ 8,704
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 2,753	$ 174,198	$ 8,704
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 13,965	$ 50,000,000	$ 40,047
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 42	$ 2,500,000	$ 120
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 298,379	$ 114,441,767	$ 1,387,317
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 12,062	$ 46,671,570	$ 42,500
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 319	$ 1,236,047	$ 887
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 271	$ 232,012	$ 754
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 5,843	$ 5,000,000	$ 16,256
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 27,565
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 20,182
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 11,348	$ 4,654,872	$ 42,813
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 3,280	$ 1,345,670	$ 9,125
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 15,715	$ 12,298,670	$ 55,371
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,149	$ 2,287,577	$ 4,113
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 193,532	$ 93,558,233	$ 899,829
					Total	$ 672,970	$ 424,074,814	$ 3,009,973
1162176	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011			$ 102,462	$ 1,200,000	$ 438,327
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 1,735	$ 31,000,000	$ 9,476
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 1,025	$ 300,000	$ 4,493
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 6,337	$ 2,000,000	$ 27,102
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,753	$ 174,198	$ 9,384
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 2,753	$ 174,198	$ 9,384
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 13,965	$ 50,000,000	$ 41,810
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 42	$ 2,500,000	$ 125
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 298,379	$ 114,441,767	$ 1,520,265
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 12,062	$ 46,671,570	$ 46,054
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 319	$ 1,236,047	$ 927
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 271	$ 232,012	$ 787
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 5,843	$ 5,000,000	$ 16,972
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 30,207
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 21,701
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 11,348	$ 4,654,872	$ 45,372
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 3,280	$ 1,345,670	$ 9,527
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 15,715	$ 12,298,670	$ 60,002
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,149	$ 2,287,577	$ 4,457
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 193,532	$ 93,558,233	$ 986,061
					Total	$ 672,970	$ 424,074,814	$ 3,282,432
1162183	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011			$ 102,462	$ 1,200,000	$ 363,790
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 1,735	$ 31,000,000	$ 7,715
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 1,025	$ 300,000	$ 3,729
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 6,337	$ 2,000,000	$ 22,494
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,753	$ 174,198	$ 7,763
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 2,753	$ 174,198	$ 7,763
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 13,965	$ 50,000,000	$ 36,549
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 42	$ 2,500,000	$ 110
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 298,379	$ 114,441,767	$ 1,237,728
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 12,062	$ 46,671,570	$ 37,877
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 319	$ 1,236,047	$ 810
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 271	$ 232,012	$ 688
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 5,843	$ 5,000,000	$ 14,836
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 24,593
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 18,011
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 11,348	$ 4,654,872	$ 38,490
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 3,280	$ 1,345,670	$ 8,328
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 15,715	$ 12,298,670	$ 49,349
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,149	$ 2,287,577	$ 3,665
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 193,532	$ 93,558,233	$ 802,804
					Total	$ 672,970	$ 424,074,814	$ 2,687,090

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

1162190	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011			$ 102,462	$ 1,200,000	$ 363,790
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 1,735	$ 31,000,000	$ 7,715
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 1,025	$ 300,000	$ 3,729
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 6,337	$ 2,000,000	$ 22,494
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,753	$ 174,198	$ 7,763
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 2,753	$ 174,198	$ 7,763
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 13,965	$ 50,000,000	$ 36,549
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 42	$ 2,500,000	$ 110
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 298,379	$ 114,441,767	$ 1,237,728
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 12,062	$ 46,671,570	$ 37,877
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 319	$ 1,236,047	$ 810
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 271	$ 232,012	$ 688
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 5,843	$ 5,000,000	$ 14,836
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 24,593
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 18,011
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 11,348	$ 4,654,872	$ 38,490
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 3,280	$ 1,345,670	$ 8,328
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 15,715	$ 12,298,670	$ 49,349
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,149	$ 2,287,577	$ 3,665
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 193,532	$ 93,558,233	$ 802,804
					Total	$ 672,970	$ 424,074,814	$ 2,687,090
1162191	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011			$ 174,462	$ 1,200,000	$ 619,425
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 2,959	$ 31,000,000	$ 13,157
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 1,747	$ 300,000	$ 6,356
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 10,797	$ 2,000,000	$ 38,325
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 4,680	$ 174,198	$ 13,197
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 4,680	$ 174,198	$ 13,197
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 23,752	$ 50,000,000	$ 62,163
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 70	$ 2,500,000	$ 183
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 507,166	$ 114,441,767	$ 2,103,812
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 20,454	$ 46,671,570	$ 64,230
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 542	$ 1,236,047	$ 1,376
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 461	$ 232,012	$ 1,171
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 9,935	$ 5,000,000	$ 25,226
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 41,817
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 30,624
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 19,290	$ 4,654,872	$ 65,428
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 5,576	$ 1,345,670	$ 14,158
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 26,728	$ 12,298,670	$ 83,932
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,952	$ 2,287,577	$ 6,227
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 328,991	$ 93,558,233	$ 1,364,711
					Total	$ 1,144,242	$ 424,074,814	$ 4,568,712
1162192	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011			$ 205,385	$ 1,200,000	$ 729,217
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 3,469	$ 31,000,000	$ 15,425
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 2,050	$ 300,000	$ 7,458
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 12,673	$ 2,000,000	$ 44,984
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 5,506	$ 174,198	$ 15,526
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 5,506	$ 174,198	$ 15,526
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 27,930	$ 50,000,000	$ 73,097
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 83	$ 2,500,000	$ 217
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 596,628	$ 114,441,767	$ 2,474,916
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 24,087	$ 46,671,570	$ 75,638
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 638	$ 1,236,047	$ 1,620
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 542	$ 232,012	$ 1,376
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 11,685	$ 5,000,000	$ 29,669
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 49,188
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 36,022
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 22,695	$ 4,654,872	$ 76,977
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 6,561	$ 1,345,670	$ 16,659
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 31,429	$ 12,298,670	$ 98,694
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,297	$ 2,287,577	$ 7,327
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 387,064	$ 93,558,233	$ 1,605,608
					Total	$ 1,346,228	$ 424,074,814	$ 5,375,144

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

1162193	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011			$ 205,385	$ 1,200,000	$ 729,217
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 3,469	$ 31,000,000	$ 15,425
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 2,050	$ 300,000	$ 7,458
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 12,673	$ 2,000,000	$ 44,984
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 5,506	$ 174,198	$ 15,526
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 5,506	$ 174,198	$ 15,526
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 27,930	$ 50,000,000	$ 73,097
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 83	$ 2,500,000	$ 217
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 596,628	$ 114,441,767	$ 2,474,916
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 24,087	$ 46,671,570	$ 75,638
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 638	$ 1,236,047	$ 1,620
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 542	$ 232,012	$ 1,376
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 11,685	$ 5,000,000	$ 29,669
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 49,188
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 36,022
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 22,695	$ 4,654,872	$ 76,977
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 6,561	$ 1,345,670	$ 16,659
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 31,429	$ 12,298,670	$ 98,694
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,297	$ 2,287,577	$ 7,327
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 387,064	$ 93,558,233	$ 1,605,608
					Total	$ 1,346,228	$ 424,074,814	$ 5,375,144

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162131	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
1162136	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
1162175	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
1162176	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
1162183	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
1162190	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		

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

1162191	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
1162192	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
1162193	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162131	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162136	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162175	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162176	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162183	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162190	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162191	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162192	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162193	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		

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

Customer	Study Number
MIDW	AG3-2006-062

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1162137	WR	WR	20	6/1/2008	6/1/2038			$ -	$ -	$ 36,777	$ 150,589
MIDW	1162141	WR	WR	5	6/1/2008	6/1/2038			$ -	$ -	$ 36,017	$ 143,131
MIDW	1162142	WR	WR	40	6/1/2008	6/1/2038			$ -	$ -	$ 45,209	$ 185,232
MIDW	1162143	WR	WR	10	6/1/2008	6/1/2038			$ -	$ -	$ 64,499	$ 256,301
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162137	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 2,486	$ 300,000	$ 10,135
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 15,367	$ 2,000,000	$ 61,123
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 6,838	$ 174,198	$ 21,620
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 6,838	$ 174,198	$ 21,620
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 5,248	$ 610,000	$ 27,057
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 5,216
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 3,819
					Total	$ 36,777	$ 58,258,396	$ 150,589
1162141	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 2,712	$ 300,000	$ 11,056
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 16,764	$ 2,000,000	$ 66,679
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 7,460	$ 174,198	$ 23,587
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 7,460	$ 174,198	$ 23,587
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 1,621	$ 610,000	$ 8,357
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 5,695
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 4,170
					Total	$ 36,017	$ 58,258,396	$ 143,131
1162142	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 3,048	$ 300,000	$ 12,426
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 18,840	$ 2,000,000	$ 74,937
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 8,392	$ 174,198	$ 26,534
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 8,392	$ 174,198	$ 26,534
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 6,537	$ 610,000	$ 33,702
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 6,408
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 4,691
					Total	$ 45,209	$ 58,258,396	$ 185,232
1162143	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 4,856	$ 300,000	$ 19,796
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 30,016	$ 2,000,000	$ 119,390
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 13,365	$ 174,198	$ 42,258
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 13,365	$ 174,198	$ 42,258
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 2,897	$ 610,000	$ 14,936
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 10,198
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 7,466
					Total	$ 64,499	$ 58,258,396	$ 256,301

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 Available
1162137	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
1162141	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
1162142	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
1162143	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162137	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162141	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162142	PHILLIPSBURG - RHOADES	6/1/2007	6/1/2008		No
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162143	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		

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

Customer	Study Number
MIDW	AG3-2006-078

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1162168	SECI	WR	75	9/1/2011	9/1/2041			$ -	$ -	$ 1,497,139	$ 9,148,422
									$ -	$ -	$ 1,497,139	$ 9,148,422

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162168	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 8,437	$ 2,500,000	$ 44,937
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		No	$ 4,116	$ 153,114	$ 30,813
	GSEC Midway Interconnection #2	6/1/2011	6/1/2011			$ -	$ -	$ -
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 5,314	$ 174,198	$ 21,455
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 5,314	$ 174,198	$ 21,455
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	1/1/2008	10/1/2007	No	$ 4,830	$ 150,000	$ 32,423
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 681,786	$ 114,441,767	$ 4,269,101
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 117,253	$ 46,671,570	$ 536,500
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 3,105	$ 1,236,047	$ 9,938
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 564	$ 232,012	$ 1,805
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 12,163	$ 5,000,000	$ 38,930
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 141,562
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 97,445
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 23,677	$ 4,654,872	$ 107,891
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 6,845	$ 1,345,670	$ 21,909
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 3,011	$ 5,000,000	$ 20,300
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 74,708	$ 12,298,670	$ 341,832
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 5,473	$ 2,287,577	$ 25,439
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 540,543	$ 93,558,233	$ 3,384,687
					Total	$ 1,497,139	$ 344,877,928	$ 9,148,422

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162168	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162168	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162168	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		

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

Customer	Study Number
MIDW	AG3-2006-086

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1162102	WR	WR	25	6/1/2007	6/1/2017	6/1/2009	6/1/2019	$ -	$ -	$ 3,153,575	$ 8,038,959
									$ -	$ -	$ 3,153,575	$ 8,038,959

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162102	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 561	$ 31,000,000	$ 1,594
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 #2	6/1/2016	6/1/2016			$ 300,624	$ 2,200,000	$ 379,599
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 11,853	$ 174,198	$ 22,809
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 11,853	$ 174,198	$ 22,809
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 35,538	$ 50,000,000	$ 73,483
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 153	$ 2,500,000	$ 315
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 1,410,910	$ 114,441,767	$ 3,738,981
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 83,463	$ 46,671,570	$ 175,054
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 2,210	$ 1,236,047	$ 4,433
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,376	$ 232,012	$ 2,760
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 29,664	$ 5,000,000	$ 59,507
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 151,765
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 120,038
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 58,371	$ 4,654,872	$ 145,661
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 16,874	$ 1,345,670	$ 33,850
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 80,569	$ 12,298,670	$ 168,984
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 5,893	$ 2,287,577	$ 12,556
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 1,103,663	$ 93,558,233	$ 2,924,761
					Total	$ 3,153,575	$ 422,774,814	$ 8,038,959

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162102	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009	10/1/2008	No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 #1	6/1/2007	7/1/2007		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	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	Earliest Service Start Date	Redispatch Available
1162102	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162102	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		

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

Customer	Study Number
MIDW	AG3-2006-087

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1162109	WR	WR	10	6/1/2008	6/1/2018	6/1/2009	6/2/2019	$ -	$ -	$ 3,153,575	$ 8,038,959
MIDW	1162122	WR	WR	10	6/1/2008	6/1/2018	6/1/2009	6/2/2019	$ -	$ -	$ 5,348,951	$ 13,641,588
MIDW	1162123	WR	WR	19	6/1/2008	6/1/2018			$ -	$ -	$ 5,641,696	$ 13,175,844
MIDW	1162130	WR	WR	6	6/1/2008	6/1/2018			$ -	$ -	$ 5,934,427	$ 13,859,967
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162109	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 561	$ 31,000,000	$ 1,594
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 #2	6/1/2016	6/1/2016			$ 300,624	$ 2,200,000	$ 379,599
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 11,853	$ 174,198	$ 22,809
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 11,853	$ 174,198	$ 22,809
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 35,538	$ 50,000,000	$ 73,483
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 153	$ 2,500,000	$ 315
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 1,410,910	$ 114,441,767	$ 3,738,981
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 83,463	$ 46,671,570	$ 175,054
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 2,210	$ 1,236,047	$ 4,433
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,376	$ 232,012	$ 2,760
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 29,664	$ 5,000,000	$ 59,507
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 151,765
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 120,038
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 58,371	$ 4,654,872	$ 145,661
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 16,874	$ 1,345,670	$ 33,850
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 80,569	$ 12,298,670	$ 168,984
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 5,893	$ 2,287,577	$ 12,556
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 1,103,663	$ 93,558,233	$ 2,924,761
					Total	$ 3,153,575	$ 422,774,814	$ 8,038,959
1162122	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 918	$ 31,000,000	$ 2,608
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 #2	6/1/2016	6/1/2016			$ 505,573	$ 2,200,000	$ 638,389
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 20,124	$ 174,198	$ 38,725
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 20,124	$ 174,198	$ 38,725
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 60,299	$ 50,000,000	$ 124,682
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 259	$ 2,500,000	$ 534
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 2,394,856	$ 114,441,767	$ 6,346,487
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 141,753	$ 46,671,570	$ 297,311
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 3,754	$ 1,236,047	$ 7,531
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,337	$ 232,012	$ 4,688
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 50,357	$ 5,000,000	$ 101,018
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 257,727
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 203,848
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 99,097	$ 4,654,872	$ 247,291
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 28,648	$ 1,345,670	$ 57,469
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 136,794	$ 12,298,670	$ 286,910
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 10,007	$ 2,287,577	$ 21,321
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 1,874,051	$ 93,558,233	$ 4,966,328
					Total	$ 5,348,951	$ 422,774,814	$ 13,641,588
1162123	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 969	$ 31,000,000	$ 2,512
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 #2	6/1/2016	6/1/2016			$ 532,947	$ 2,200,000	$ 625,860
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 21,226	$ 174,198	$ 37,888
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 21,226	$ 174,198	$ 37,888
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 63,609	$ 50,000,000	$ 125,979
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 274	$ 2,500,000	$ 541
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 2,526,049	$ 114,441,767	$ 6,108,746
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 149,507	$ 46,671,570	$ 289,371
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 3,960	$ 1,236,047	$ 7,609
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,465	$ 232,012	$ 4,736
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 53,123	$ 5,000,000	$ 102,072
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 248,079
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 199,973
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 104,527	$ 4,654,872	$ 246,133
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 30,218	$ 1,345,670	$ 58,062
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 144,308	$ 12,298,670	$ 279,308
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 10,555	$ 2,287,577	$ 20,753
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 1,976,733	$ 93,558,233	$ 4,780,334
					Total	$ 5,641,696	$ 422,774,814	$ 13,175,844

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

1162130	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 1,020	$ 31,000,000	$ 2,644
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 #2	6/1/2016	6/1/2016			$ 560,232	$ 2,200,000	$ 657,902
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 22,329	$ 174,198	$ 39,857
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 22,329	$ 174,198	$ 39,857
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 66,918	$ 50,000,000	$ 132,533
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 287	$ 2,500,000	$ 567
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 2,657,242	$ 114,441,767	$ 6,426,010
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 157,299	$ 46,671,570	$ 304,452
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 4,166	$ 1,236,047	$ 8,005
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,593	$ 232,012	$ 4,982
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 55,881	$ 5,000,000	$ 107,371
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 260,970
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 210,365
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 109,958	$ 4,654,872	$ 258,921
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 31,787	$ 1,345,670	$ 61,077
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 151,800	$ 12,298,670	$ 293,809
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 11,103	$ 2,287,577	$ 21,830
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 2,079,483	$ 93,558,233	$ 5,028,815
					Total	$ 5,934,427	$ 422,774,814	$ 13,859,967

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162109	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009	10/1/2008	No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 #1	6/1/2007	7/1/2007		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		
1162122	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009	10/1/2008	No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 #1	6/1/2007	7/1/2007		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		
1162123	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009	10/1/2008	No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 #1	6/1/2007	7/1/2007		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		
1162130	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009	10/1/2008	No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 #1	6/1/2007	7/1/2007		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		

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

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

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162109	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162122	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162123	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162130	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1162617	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2010	6/1/2010
1162617	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2013	6/1/2013

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

Customer	Study Number
MIDW	AG3-2006-121

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1167662	WR	WR	35	2/1/2007	2/1/2012	6/1/2010	6/1/2015	$ -	$ -	$ 2,521,214	$ 6,072,192
MIDW	1167664	WR	WR	10	2/1/2007	2/1/2012	6/1/2010	6/1/2015	$ -	$ -	$ 673,747	$ 1,619,055
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1167662	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 510	$ 31,000,000	$ 1,296
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 10,476	$ 174,198	$ 18,327
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 10,476	$ 174,198	$ 18,327
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 31,360	$ 50,000,000	$ 61,135
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 135	$ 2,500,000	$ 262
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 1,246,332	$ 114,441,767	$ 2,954,596
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 73,798	$ 46,671,570	$ 139,977
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,954	$ 1,236,047	$ 3,696
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,217	$ 232,012	$ 2,302
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 26,217	$ 5,000,000	$ 49,584
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 120,063
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 96,772
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 51,587	$ 4,654,872	$ 119,235
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 14,913	$ 1,345,670	$ 28,205
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 71,209	$ 12,298,670	$ 135,066
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 5,210	$ 2,287,577	$ 10,039
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 975,820	$ 93,558,233	$ 2,313,311
					Total	$ 2,521,214	$ 420,574,814	$ 6,072,192
1167664	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 2,347	$ 31,000,000	$ 5,964
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 99	$ 90,000	$ -
	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,759	$ 174,198	$ 4,827
	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	6/1/2011	6/1/2011			$ 2,759	$ 174,198	$ 4,827
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 16,225	$ 50,000,000	$ 31,630
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 47	$ 2,500,000	$ 91
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 327,982	$ 114,441,767	$ 777,525
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 19,405	$ 46,671,570	$ 36,807
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 514	$ 1,236,047	$ 972
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 320	$ 232,012	$ 605
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 6,903	$ 5,000,000	$ 13,056
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 31,597
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 25,467
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 13,575	$ 4,654,872	$ 31,376
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 3,924	$ 1,345,670	$ 7,421
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 18,742	$ 12,298,670	$ 35,549
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,373	$ 2,287,577	$ 2,626
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 256,773	$ 93,558,233	$ 608,714
					Total	$ 673,747	$ 420,664,814	$ 1,619,055

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 Available
1167662	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	Yes
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009	10/1/2008	No
	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 #1	6/1/2007	7/1/2007		Yes
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		
1167664	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	Yes
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009	10/1/2008	No
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2009	10/1/2008	Yes
	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 #1	6/1/2007	7/1/2007		Yes
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2007	6/1/2008		No
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2009	6/1/2009		
	ST JOHN CAPACITOR	6/1/2011	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	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	Earliest Service Start Date	Redispatch Available
1167662	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1167664	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1167662	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1167664	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		

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	Redispatch Available
1167662	Potter - Roosevelt 345KV Displacement	4/1/2007	6/1/2010		No
1167664	Potter - Roosevelt 345KV Displacement	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
NTEC	AG3-2006-035

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
NTEC	1161974	CSWS	CSWS	52	6/1/2011	6/1/2031			$ 7,028,201	$ -	$ 7,128,201	$ 24,596,491
									$ 7,028,201	$ -	$ 7,128,201	$ 24,596,491

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161974	DIANA - PERDUE 138KV CKT 1	6/1/2015	6/1/2015			$ 750,000	$ 750,000	$ 2,006,729
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 2,907,690	$ 56,000,000	$ 10,699,341
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 5,477	$ 2,500,000	$ 14,922
	HEMPSTEAD - MCNEIL 345kV CKT 1	6/1/2011	6/1/2011			$ 3,120,022	$ 75,000,000	$ 10,890,352
	NEW BOSTON - NORTH NEW BOSTON 69KV CKT 1	6/1/2009	6/1/2009			$ 100,000	$ 100,000	$ -
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009			$ 245,012	$ 2,500,000	$ 985,147
					Total	$ 7,128,201	$ 136,850,000	$ 24,596,491

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161974	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2009		No
	BANN - LONESTAR ORDINANCE TAP 69KV CKT 1	6/1/2009	6/1/2009		
	BIG SANDY - HAWKINS 69KV CKT 1	6/1/2016	6/1/2016		
	BIG SANDY - PERDUE 69KV CKT 1	6/1/2014	6/1/2014		
	DAINGERFIELD - JENKINS REC T 69KV CKT 1	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161974	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1161974	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2011	6/1/2011
	BEN WHEELER - BARTONS CHAPEL	6/1/2016	6/1/2016

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

Customer	Study Number
OGE	AG3-2006-034

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OGE	1161665	OKGE	SPA	20	2/1/2007	2/1/2012	6/1/2009	6/1/2014	$ -	$ 1,080,000	$ 1,625,485	$ 3,660,759
									$ -	$ 1,080,000	$ 1,625,485	$ 3,660,759

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161665	5 TRIBES - HANCOCK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 977	$ 100,000	$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 11,721	$ 1,200,000	$ 25,559
	AGENCY - PECAN CREEK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 977	$ 100,000	$ -
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 1,169	$ 90,000	$ -
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 43,770	$ 4,000,000	$ 81,832
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 10,450	$ 955,000	$ 22,594
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	6/1/2010	6/1/2010			$ 761	$ 160,575	$ 1,768
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010			$ 474	$ 100,000	$ -
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 281,936	$ 56,000,000	$ 526,036
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 677	$ 2,500,000	$ 1,260
	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2007	2/1/2008		Yes	$ 2,000	$ 2,000	$ -
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2010	6/1/2010			$ 1,661	$ 300,000	$ 3,668
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 1,088,014	$ 114,441,767	$ 2,353,721
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 27,609	$ 46,671,570	$ 48,326
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 731	$ 1,236,047	$ 1,324
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 451	$ 232,012	$ 817
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 9,723	$ 5,000,000	$ 17,614
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2011	6/1/2011			$ 1,209	$ 100,000	$ -
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009		Yes	$ 18,925	$ 1,937,514	$ 41,044
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 157,076
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 129,030
	SOONER (SOONER5) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2011	6/1/2011			$ 11,704	$ 5,500,000	$ 23,965
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 18,308	$ 4,654,872	$ 39,930
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 5,293	$ 1,345,670	$ 9,588
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 28,316	$ 12,298,670	$ 49,563
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,052	$ 2,287,577	$ 3,649
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 56,577	$ 93,558,233	$ 122,394
					Total	$ 1,625,485	$ 409,771,507	$ 3,660,759

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161665	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161665	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	6/1/2006	4/1/2008		No
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	6/1/2006	4/1/2008		No
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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 Available
1161665	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
		12/1/2006	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 Available
1161665	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1161665	5MTREE - TWIST 161KV CKT 1	6/1/2013	6/1/2013
	STRUMAN - HARISBURG TAP 161KV CKT 1	6/1/2009	6/1/2009
	STRUMAN - TRUMANN WEST AECC 161KV CKT 1	6/1/2011	6/1/2011
	JONES - JONESBORO 161KV CKT 1 ENTR	6/1/2007	2/1/2008
	JONESBORO - JONESBORO NORTH (AECC) 161KV CKT 1	6/1/2010	6/1/2010
	JONESBORO NORTH (AECC) - PARAGOULD SOUTH (AECC) 161KV CKT 1	6/1/2009	6/1/2009
	PARKIN - TWIST 161KV CKT 1	6/1/2013	6/1/2013

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

Customer	Study Number
OGE	AG3-2006-049

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OGE	1162077	OKGE	OKGE	384	6/1/2011	6/1/2031			$ 50,151,700	$ -	$ 50,237,198	$ 234,481,714
									$ 50,151,700	$ -	$ 50,237,198	$ 234,481,714

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162077	ARKOMA - FT SMITHW 161KV CKT 1	6/1/2011	6/1/2011			$ 2,508,731	$ 2,900,000	$ 10,881,849
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 4,773,775	$ 31,000,000	$ 23,260,330
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 13,982	$ 90,000	$ -
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 336,602	$ 850,000	$ 2,020,852
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 68,627	$ 56,000,000	$ 252,525
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 51,117	$ 50,000,000	$ 139,671
	KINZE - MCELROY 138KV CKT 1	6/1/2010	6/1/2010			$ 219,797	$ 600,000	$ 1,019,921
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2010	6/1/2010			$ 103,727	$ 300,000	$ 481,323
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 13,159,321	$ 114,441,767	$ 59,818,292
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 1,560,478	$ 46,671,570	$ 5,310,100
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 41,328	$ 1,236,047	$ 109,555
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 15,473	$ 232,012	$ 41,017
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 333,449	$ 5,000,000	$ 883,926
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2011	6/1/2011			$ 71,516	$ 100,000	$ -
	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2016	6/1/2016			$ 5,286,285	$ 9,000,000	$ 15,381,631
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 9,261,256
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 6,654,992
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 165,917	$ 400,000	$ 754,208
	SOONER (SOONER5) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2011	6/1/2011			$ 2,117,289	$ 5,500,000	$ 9,109,693
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 17,444	$ 4,654,872	$ 62,702
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 5,043	$ 1,345,670	$ 13,368
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 1,247,266	$ 5,000,000	$ 6,104,537
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 109,551	$ 12,298,670	$ 372,788
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 7,461	$ 2,287,577	$ 25,791
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 407,546	$ 1,500,000	$ 2,446,778
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 15,467,735	$ 93,558,233	$ 70,311,643
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 2,147,738	$ 6,500,000	$ 9,762,967
					Total	$ 50,237,198	$ 506,466,418	$ 234,481,714

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162077	CASHION CAP BANK	6/1/2016	6/1/2016		
	COLONY - FT SMITH 161KV CKT 1	6/1/2009	6/1/2009		
	DOVER SWITCH CAPACITOR	6/1/2016	6/1/2016		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

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

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

Customer	Study Number
OMPA	AG3-2006-028

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	1159596	CSWS	CSWS	41	6/1/2011	6/1/2031			$ 7,380,000	$ -	$ 8,603,598	$ 31,387,456
									$ 7,380,000	$ -	$ 8,603,598	$ 31,387,456

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1159596	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 465,368	$ 31,000,000	$ 2,267,516
	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 649	$ 2,500,000	$ 2,515
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 46,046	$ 4,000,000	$ 169,779
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 10,993	$ 955,000	$ 49,943
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 33,008	$ 850,000	$ 198,170
	GSEC Midway Interconnection #2	6/1/2011	6/1/2011			$ -	$ -	$ -
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 1,645,916	$ 56,000,000	$ 6,056,428
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 1,325,368	$ 50,000,000	$ 3,621,419
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 2,361	$ 2,500,000	$ 6,432
	HEMPSTEAD - MCNEIL 345kV CKT 1	6/1/2011	6/1/2011			$ 4,012,162	$ 75,000,000	$ 14,004,343
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2010	6/1/2010			$ 13,966	$ 300,000	$ 64,806
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 115,544	$ 114,441,767	$ 525,228
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 38,510	$ 46,671,570	$ 131,044
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 1,020	$ 1,236,047	$ 2,704
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 3,061	$ 232,012	$ 8,114
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 65,976	$ 5,000,000	$ 174,893
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 321	$ 4,200,000	$ 1,274
	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2016	6/1/2016			$ 303,137	$ 9,000,000	$ 882,045
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 499,256
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 358,757
	RUSSETT - RUSSETT 138KV CKT 1 OKGE	5/1/2010	5/1/2010			$ 5,642	$ 45,000	$ -
	SOONER (SOONER5) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2011	6/1/2011			$ 117,438	$ 5,500,000	$ 505,280
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 23,757	$ 4,654,872	$ 85,394
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 6,868	$ 1,345,670	$ 18,206
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 92,649	$ 5,000,000	$ 453,455
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 515	$ 12,298,670	$ 1,752
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 405	$ 2,287,577	$ 1,400
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 38,888	$ 1,500,000	$ 233,471
	WOODRING - MORELAND 345kV	6/1/2011	6/1/2011			$ 11,560	$ 93,558,233	$ 52,548
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 222,470	$ 6,500,000	$ 1,011,281
					Total	$ 8,603,598	$ 591,576,418	$ 31,387,456

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 Available
1159596	CASHION CAP BANK	6/1/2016	6/1/2016		
	DOVER SWITCH CAPACITOR	6/1/2016	6/1/2016		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

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

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1159596	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2010	6/1/2010
1159596	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2013	6/1/2013

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

Customer	Study Number
OMPA	AG3-2006-050

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	1162095	OKGE	OKGE	73	6/1/2011	6/1/2031			$ 7,513,057	$ -	$ 7,515,287	$ 34,192,560
									$ 7,513,057	$ -	$ 7,515,287	$ 34,192,560

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162095	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 233,960	$ 31,000,000	$ 1,139,976
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 2,230	$ 90,000	$ -
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 63,222	$ 850,000	$ 379,565
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 232,196	$ 50,000,000	$ 634,449
	KINZE - MCELROY 138KV CKT 1	6/1/2010	6/1/2010			$ 31,153	$ 600,000	$ 144,559
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2010	6/1/2010			$ 44,193	$ 300,000	$ 205,068
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 1,137,570	$ 114,441,767	$ 5,171,049
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 443,277	$ 46,671,570	$ 1,508,413
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 11,740	$ 1,236,047	$ 31,121
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 4,963	$ 232,012	$ 13,156
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 106,954	$ 5,000,000	$ 283,520
	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2016	6/1/2016			$ 936,413	$ 9,000,000	$ 2,724,704
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 1,492,441
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 1,072,445
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 28,856	$ 400,000	$ 131,171
	SOONER (SOONER5) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2011	6/1/2011			$ 592,593	$ 5,500,000	$ 2,549,647
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 1,419	$ 4,654,872	$ 5,101
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 410	$ 1,345,670	$ 1,087
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 9,274	$ 12,298,670	$ 31,558
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,422	$ 2,287,577	$ 4,916
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 104,313	$ 1,500,000	$ 626,262
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 2,991,246	$ 93,558,233	$ 13,597,299
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 537,883	$ 6,500,000	$ 2,445,053
					Total	$ 7,515,287	$ 442,466,418	$ 34,192,560

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162095	CASHION CAP BANK	6/1/2016	6/1/2016		
	DOVER SWITCH CAPACITOR	6/1/2016	6/1/2016		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162095	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008		
	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

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

Customer	Study Number
OMPA	AG3-2006-122

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	1162617	ERCOTE	CSWS	29	5/1/2007	5/1/2012	6/1/2010	6/1/2015	$ 2,723,013	$ -	$ 2,727,032	$ 6,174,927
									$ 2,723,013	$ -	$ 2,727,032	$ 6,174,927

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162617	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No	$ 371,397	$ 31,000,000	$ 943,748
	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 466	$ 2,500,000	$ 948
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 33,970	$ 4,000,000	$ 68,962
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 8,110	$ 955,000	$ 19,215
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		Yes	$ 24,044	$ 850,000	$ 75,282
	GSEC Midway Interconnection #2	6/1/2011	6/1/2011			$ -	$ -	$ -
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 645,253	$ 56,000,000	$ 1,307,255
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 1,029,302	$ 50,000,000	$ 2,006,590
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2010	6/1/2010			$ 10,209	$ 300,000	$ 24,705
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 132,367	$ 114,441,767	$ 313,794
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 33,790	$ 46,671,570	$ 64,091
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 895	$ 1,236,047	$ 1,693
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,196	$ 232,012	$ 4,153
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 47,334	$ 5,000,000	$ 89,523
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 264	$ 4,200,000	$ 674
	Potter - Roosevelt 345KV Displacement	4/1/2007	6/1/2010		Yes	$ 6,354	$ 10,831,244	$ 15,819
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 180,233
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 145,271
	RUSSETT - RUSSETT 138KV CKT 1 OKGE	5/1/2010	5/1/2010			$ 4,019	$ 45,000	$ -
	SOONER (SOONER5) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2011	6/1/2011			$ 85,963	$ 5,500,000	$ 192,885
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 16,325	$ 4,654,872	$ 37,733
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 4,719	$ 1,345,670	$ 8,925
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 73,615	$ 5,000,000	$ 187,899
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 2,683	$ 12,298,670	$ 5,089
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 491	$ 2,287,577	$ 946
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		Yes	$ 28,056	$ 1,500,000	$ 87,843
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 4,148	$ 93,558,233	$ 9,833
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 161,062	$ 6,500,000	$ 381,819
					Total	$ 2,727,032	$ 515,907,662	$ 6,174,927

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

1162617	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162617	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008		

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

Customer	Study Number
SEPC	AG3-2006-084

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SEPC	1162543	SECI	WPEK	150	9/1/2011	9/1/2041			$ -	$ -	$ 19,545,369	$ 114,810,756
									$ -	$ -	$ 19,545,369	$ 114,810,756

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162543	Cimarron Plant Substation Expansion	6/1/2011	6/1/2011			$ 2,262,412	$ 2,500,000	$ 12,050,137
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	1/1/2008		No	$ 25,299	$ 153,114	$ 189,390
	GSEC Midway Interconnection #2	6/1/2011	6/1/2011			$ -	$ -	$ -
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 6,511,130	$ 114,441,767	$ 40,770,373
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 1,714,405	$ 46,671,570	$ 7,844,396
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 45,404	$ 1,236,047	$ 145,326
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 4,827	$ 232,012	$ 15,450
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 104,019	$ 5,000,000	$ 332,937
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 2,102,973	$ 4,200,000	$ 10,577,113
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 1,612,540
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 1,110,008
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 198,929	$ 4,654,872	$ 906,474
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 57,508	$ 1,345,670	$ 184,068
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 39,793	$ 5,000,000	$ 268,280
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 977,007	$ 12,298,670	$ 4,470,373
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 71,615	$ 2,287,577	$ 332,870
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 5,430,048	$ 93,558,233	$ 34,001,023
					Total	$ 19,545,369	$ 348,579,532	$ 114,810,756

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162543	CHAPMAN - CLAY CENTER 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162543	Sooner to Rose Hill 345 kV OKGE	6/1/2016	6/1/2016		
	Sooner to Rose Hill 345 kV WERE	6/1/2016	6/1/2016		

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

Customer	Study Number
SEPC	AG3-2006-085

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SEPC	1162537	SECI	SECI	50	9/1/2011	9/1/2041			$ -	$ -	$ 2,500,003	$ 14,325,512
									$ -	$ -	$ 2,500,003	$ 14,325,512

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162537	GSEC Midway Interconnection #2	6/1/2011	6/1/2011			$ -	$ -	$ -
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 768,117	$ 114,441,767	$ 4,809,675
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 171,272	$ 46,671,570	$ 783,669
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 4,536	$ 1,236,047	$ 14,519
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 578	$ 232,012	$ 1,850
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 12,446	$ 5,000,000	$ 39,836
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 808,274	$ 4,200,000	$ 4,065,295
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 150,614
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 103,676
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 23,698	$ 4,654,872	$ 107,986
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 6,851	$ 1,345,670	$ 21,928
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 3,479	$ 5,000,000	$ 23,455
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 102,445	$ 12,298,670	$ 468,745
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 7,511	$ 2,287,577	$ 34,911
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 590,796	$ 93,558,233	$ 3,699,354
					Total	$ 2,500,003	$ 345,926,418	$ 14,325,512

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162537	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	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
SEPC	AG3-2006-113

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SEPC	1162670	WR	SECI	51	12/1/2007	12/1/2027	6/1/2010	6/1/2030	$ -	$ -	$ 10,110,064	$ 41,011,272
									$ -	$ -	$ 10,110,064	$ 41,011,272

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162670	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 1,346	$ 90,000	$ -
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 20,811	$ 300,000	$ 75,710
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 128,632	$ 2,000,000	$ 456,588
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 160,495	$ 50,000,000	$ 420,041
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 614	$ 2,500,000	$ 1,602
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 4,358,315	$ 114,441,767	$ 18,079,043
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 543,260	$ 46,671,570	$ 1,705,955
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 14,388	$ 1,236,047	$ 36,532
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 3,837	$ 232,012	$ 9,742
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 82,699	$ 5,000,000	$ 209,978
	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No	$ 699,755	$ 4,200,000	$ 2,619,694
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 62,796	$ 610,000	$ 288,918
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 571,725
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 418,697
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 162,373	$ 4,654,872	$ 550,734
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 46,940	$ 1,345,670	$ 119,184
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 384,620	$ 12,298,670	$ 1,207,791
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 28,165	$ 2,287,577	$ 89,845
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 3,411,018	$ 93,558,233	$ 14,149,491
					Total	$ 10,110,064	$ 396,426,418	$ 41,011,272

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162670	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162670	HOLCOMB - PLYMELL 115KV CKT 1 Displacement	6/1/2008	6/1/2009		Yes
	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	PHILLIPSBURG - RHOADES	6/1/2007	6/1/2008		No
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		

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 Available
1162670	CANEY CREEK 345/138 kV	5/1/2010	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
SHDY	AG3-2006-082

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SHDY	1162514	OKGE	CSWS	580	6/1/2011	6/1/2016			$ -	$ 36,540,000	$ 76,450,440	$ 160,190,206
									$ -	$ 36,540,000	$ 76,450,440	$ 160,190,206

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162514	ARKOMA - FT SMITHW 161KV CKT 1	6/1/2011	6/1/2011			$ 28,766	$ 2,900,000	$ 71,316
	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2010	6/1/2010			$ 562,418	$ 2,000,000	$ 1,030,179
	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	6/1/2010	6/1/2010			$ 562,304	$ 2,000,000	$ 1,029,970
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 8,570	$ 90,000	$ -
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 1,599,902	$ 4,000,000	$ 3,527,106
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 381,977	$ 955,000	$ 991,872
	FT SMITH 500/345kV Transfromer	6/1/2011	6/1/2011			$ 6,270,596	$ 10,000,000	$ 15,099,862
	GSEC Midway Interconnection #2	6/1/2011	6/1/2011			$ -	$ -	$ -
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 9,388,367	$ 56,000,000	$ 20,655,285
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 44,676	$ 2,500,000	$ 90,669
	HEMPSTEAD - MCNEIL 345kV CKT 1	6/1/2011	6/1/2011			$ 21,804,278	$ 75,000,000	$ 45,504,903
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 2,019,535	$ 114,441,767	$ 5,246,983
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 1,259,104	$ 46,671,570	$ 2,588,227
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 33,346	$ 1,236,047	$ 65,848
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 8,398	$ 232,012	$ 16,583
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 180,973	$ 5,000,000	$ 357,364
	MUSKOGEE - FT SMITH 345kV	6/1/2011	6/1/2011			$ 29,000,000	$ 29,000,000	$ 53,658,991
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 998,584
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 789,737
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 82,015	$ 4,654,872	$ 200,908
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 23,710	$ 1,345,670	$ 46,820
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 127,004	$ 12,298,670	$ 261,071
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 7,838	$ 2,287,577	$ 16,367
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 3,056,663	$ 93,558,233	$ 7,941,561
					Total	$ 76,450,440	$ 521,171,418	$ 160,190,206

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 Available
1162514	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162514	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011		

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 Available
1162514	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		No

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC
1162514	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2011	6/1/2011
	GLEASON - MORRILTON EAST 161KV CKT 1	6/1/2013	6/1/2013
	STIGLER 161/69KV TRANSFORMER CKT 1	6/1/2010	6/1/2010

Customer	Study Number
SHDY	AG3-2006-083

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

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

Third Party Limitations

Reservation	Upgrade Name	COD	EOC
1162517	ADAMS CREEK - BOGALUSA 230KV CKT 2	4/1/2007	4/1/2007

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

Customer	Study Number
SPSM	AG3-2006-115

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SPSM	1162675	OKGE	SPS	100	2/1/2007	2/1/2008	6/1/2010	6/1/2011	$ -	$ 1,741,200	$ 2,996,694	$ 6,235,410
									$ -	$ 1,741,200	$ 2,996,694	$ 6,235,410

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162675	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2009			$ 2,314	$ 75,000	$ -
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		Yes	$ 61,252	$ 850,000	$ 161,026
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	6/1/2010	6/1/2010			$ 4,563	$ 160,575	$ 9,751
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010			$ 2,841	$ 100,000	$ -
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 657,276	$ 50,000,000	$ 1,177,659
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 3,680	$ 2,500,000	$ 6,574
	Potter - Roosevelt 345KV Displacement	4/1/2007	6/1/2010		Yes	$ 2,167,088	$ 10,831,244	$ 4,623,609
	SPS MUST RUN GENERATION #1	10/1/2007	10/1/2007			$ -	$ -	$ -
	SPS MUST RUN GENERATION #3	12/1/2008	12/1/2008			$ -	$ -	$ -
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		Yes	$ 97,680	$ 1,500,000	$ 256,791
					Total	$ 2,996,694	$ 66,016,819	$ 6,235,410

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162675	CARLSBAD PLANT 115/69KV TRANSFORMERS	6/1/2007	6/1/2008		Yes
	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	6/1/2007	6/1/2008		Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162675	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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 Available
1162675	HOBBS 115 KV Lines	12/1/2008	6/1/2008		
	HOBBS Substation and Lines	12/1/2008	6/1/2008		
	Mustang-San Andr-Amerada Hess 115KV Displacement	6/1/2007	6/1/2008		Yes
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	TUCO INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2007	6/1/2008		Yes
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		

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

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

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

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

Customer UCU
Study Number AG3-2006-025D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
UCU	1152228	MPS	MPS	585	2/1/2007	2/1/2027	4/1/2009	4/1/2029	$ -	$ -	$ 6,347,662	$ 14,586,919
									$ -	$ -	$ 6,347,662	$ 14,586,919

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1152228	COOK - ST JOE 161KV CKT 1	12/1/2007	4/1/2009		Yes	$ 3,847,662	$ 4,400,000	$ 13,829,440
	HARRISONVILLE 161/69KV TRANSFORMER CKT 1	6/1/2007	2/1/2009		Yes	$ 2,100,000	$ 2,100,000	$ -
	Holden 12MVAR Capacitor	6/1/2016	6/1/2016			$ 400,000	$ 400,000	$ 757,479
					Total	$ 6,347,662	$ 6,900,000	$ 14,586,919

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1152228	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2014	6/1/2014		
	EAST 20MVAR CAPACITOR	12/1/2006	10/1/2008		No
	INDUSTRIAL PARK - LAKE ROAD 161KV CKT 1	6/1/2007	10/1/2008		Yes
	RALPH GREEN 12MVAR CAPACITOR	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1152228	CLINTON - CLINTON GREEN STREET 69KV CKT 1	6/1/2014	6/1/2010		
	CLINTON - CLINTON PLANT 69KV CKT 1	6/1/2010	6/1/2010		
	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		

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

Customer UCU
Study Number AG3-2006-052D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
UCU	1162075	WR	MPS	51	1/1/2008	1/1/2028	6/1/2009	6/1/2029	$ -	$ 19,718,640	$ 3,045,637	$ 11,411,388
									$ -	$ 19,718,640	$ 3,045,637	$ 11,411,388

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162075	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 19,192	$ 300,000	$ 64,934
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 118,623	$ 2,000,000	$ 391,594
	GSEC Midway Interconnection #2	6/1/2011	6/1/2011			$ -	$ -	$ -
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 1,954,069	$ 114,441,767	$ 7,396,956
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 35,813	$ 46,671,570	$ 103,780
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 948	$ 1,236,047	$ 2,306
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,574	$ 232,012	$ 3,828
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 33,925	$ 5,000,000	$ 82,505
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 76,008	$ 610,000	$ 325,233
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 64,066
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 47,817
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 61,571	$ 4,654,872	$ 197,060
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 17,799	$ 1,345,670	$ 43,287
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 63,889	$ 12,298,670	$ 185,140
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 4,652	$ 2,287,577	$ 13,694
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 657,574	$ 93,558,233	$ 2,489,188
					Total	$ 3,045,637	$ 339,636,418	$ 11,411,388

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162075	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2016	6/1/2016		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	EAST 20MVAR CAPACITOR	12/1/2006	10/1/2008		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	INDUSTRIAL PARK - LAKE ROAD 161KV CKT 1	6/1/2007	10/1/2008		Yes
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162075	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162075	CLINTON - CLINTON GREEN STREET 69KV CKT 1	6/1/2014	6/1/2010		
	CLINTON - CLINTON PLANT 69KV CKT 1	6/1/2010	6/1/2010		
	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		

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	Redispatch Available
1162075	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	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
UCU	AG3-2006-088D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
UCU	1162678	WR	MPS	25	1/1/2008	1/1/2028	6/1/2009	6/1/2029	$ -	$ 9,666,000	$ 1,492,945	$ 5,593,756
UCU	1162681	WR	MPS	25	1/1/2008	1/1/2028	6/1/2009	6/1/2029	$ -	$ 9,666,000	$ 1,492,945	$ 5,593,756
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162678	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 9,408	$ 300,000	$ 31,831
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 58,147	$ 2,000,000	$ 191,953
	GSEC Midway Interconnection #2	6/1/2011	6/1/2011			$ -	$ -	$ -
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 957,864	$ 114,441,767	$ 3,625,910
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 17,569	$ 46,671,570	$ 50,912
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 465	$ 1,236,047	$ 1,131
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 772	$ 232,012	$ 1,877
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 16,626	$ 5,000,000	$ 40,434
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 37,258	$ 610,000	$ 159,424
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 31,407
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 23,441
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 30,182	$ 4,654,872	$ 96,598
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 8,725	$ 1,345,670	$ 21,219
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 31,322	$ 12,298,670	$ 90,766
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,280	$ 2,287,577	$ 6,712
	WOODRING - MORELAND 345kV	6/1/2011	6/1/2011			$ 322,327	$ 93,558,233	$ 1,220,140
					Total	$ 1,492,945	$ 339,636,418	$ 5,593,756
1162681	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 9,408	$ 300,000	$ 31,831
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 58,147	$ 2,000,000	$ 191,953
	GSEC Midway Interconnection #2	6/1/2011	6/1/2011			$ -	$ -	$ -
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 957,864	$ 114,441,767	$ 3,625,910
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 17,569	$ 46,671,570	$ 50,912
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 465	$ 1,236,047	$ 1,131
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 772	$ 232,012	$ 1,877
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 16,626	$ 5,000,000	$ 40,434
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 37,258	$ 610,000	$ 159,424
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 31,407
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 23,441
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 30,182	$ 4,654,872	$ 96,598
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 8,725	$ 1,345,670	$ 21,219
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 31,322	$ 12,298,670	$ 90,766
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 2,280	$ 2,287,577	$ 6,712
	WOODRING - MORELAND 345kV	6/1/2011	6/1/2011			$ 322,327	$ 93,558,233	$ 1,220,140
					Total	$ 1,492,945	$ 339,636,418	$ 5,593,756

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 Available
1162678	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2016	6/1/2016		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	EAST 20MVAR CAPACITOR	12/1/2006	10/1/2008		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	INDUSTRIAL PARK - LAKE ROAD 161KV CKT 1	6/1/2007	10/1/2008		Yes
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		
1162681	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2010	6/1/2010		
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2016	6/1/2016		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	EAST 20MVAR CAPACITOR	12/1/2006	10/1/2008		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2012	6/1/2012		
	INDUSTRIAL PARK - LAKE ROAD 161KV CKT 1	6/1/2007	10/1/2008		Yes
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162678	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1162681	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2011	6/1/2011		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162678	CLINTON - CLINTON GREEN STREET 69KV CKT 1	6/1/2014	6/1/2010		
	CLINTON - CLINTON PLANT 69KV CKT 1	6/1/2010	6/1/2010		
	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		
1162681	CLINTON - CLINTON GREEN STREET 69KV CKT 1	6/1/2014	6/1/2010		
	CLINTON - CLINTON PLANT 69KV CKT 1	6/1/2010	6/1/2010		
	IATAN - ST JOE 345KV CKT 1	6/1/2011	4/1/2008		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		

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	Redispatch Available
1162678	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No
1162681	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	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
WFEC	AG3-2006-019

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WFEC	1152679	WFEC	WFEC	500	5/1/2010	5/1/2035			$ -	$ -	$ 81,305,057	$ 333,020,029
									$ -	$ -	$ 81,305,057	$ 333,020,029

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1152679	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2009			$ 32,747	$ 75,000	$ -
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		Yes	$ 14,568,906	$ 31,000,000	$ 75,084,912
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 6,528	$ 90,000	$ -
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 AEPW	6/1/2011	6/1/2011			$ 357,242	$ 4,000,000	$ 1,393,632
	CLARKSVILLE - MUSKOGEE 345KV CKT 1 OKGE	6/1/2011	6/1/2011			$ 85,292	$ 955,000	$ 409,865
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 230,191	$ 850,000	$ 1,461,767
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	6/1/2010	6/1/2010			$ 90,096	$ 160,575	$ 465,090
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010			$ 56,109	$ 100,000	$ -
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 5,378,859	$ 56,000,000	$ 20,940,726
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 26,916,119	$ 50,000,000	$ 76,843,909
	HUGO 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 2,428,593	$ 2,500,000	$ 6,913,258
	HUGO POWER PLANT - VALLIANT 138KV CKT 1	6/1/2011	6/1/2011			$ 150,000	$ 150,000	$ 569,161
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 14,912,428	$ 114,441,767	$ 71,700,255
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 771,698	$ 46,671,570	$ 2,778,094
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 20,438	$ 1,236,047	$ 56,608
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 73,029	$ 232,012	$ 202,272
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 1,573,814	$ 5,000,000	$ 4,359,079
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 2,037,376
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 1,463,042
	RUSSETT - RUSSETT 138KV CKT 1 OKGE	5/1/2010	5/1/2010			$ 34,781	$ 45,000	$ -
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 175,994	$ 4,654,872	$ 666,015
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 50,878	$ 1,345,670	$ 140,920
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 2,310,002	$ 5,000,000	$ 11,958,531
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 443,850	$ 12,298,670	$ 1,597,849
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 39,030	$ 2,287,577	$ 142,732
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		No	$ 568,523	$ 1,500,000	$ 3,610,254
	WOODRING - MORELAND 345kV	6/1/2011	6/1/2011			$ 8,571,577	$ 93,558,233	$ 41,212,890
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 1,458,333	$ 6,500,000	$ 7,011,792
					Total	$ 81,305,057	$ 495,651,993	$ 333,020,029

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1152679	CASHION CAP BANK	6/1/2016	6/1/2016		
	DOVER SWITCH CAPACITOR	6/1/2016	6/1/2016		
	ELK CITY - ELK CITY 69KV CKT 1 AEPW	6/1/2007	12/1/2008		No
	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	6/1/2009	6/1/2009		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Norman Area Voltage Conversion	4/1/2007	6/1/2009		No
	PINK SWITCH CAPACITOR	12/1/2011	12/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

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

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

Customer	Study Number
WFEC	AG3-2006-119

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WFEC	1165215	OKGE	WFEC	100	4/1/2007	4/1/2011	6/1/2009	6/1/2013	$ -	$ -	$ 11,786,200	$ 22,774,917
									$ -	$ -	$ 11,786,200	$ 22,774,917

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1165215	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2009			$ 11,812	$ 75,000	$ -
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		Yes	$ 2,486,522	$ 31,000,000	$ 5,062,633
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 14,356	$ 90,000	$ -
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		Yes	$ 60,383	$ 850,000	$ 151,483
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	6/1/2010	6/1/2010			$ 22,461	$ 160,575	$ 45,806
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010			$ 13,988	$ 100,000	$ -
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 5,516,359	$ 114,441,767	$ 10,478,117
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 376,109	$ 46,671,570	$ 586,834
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 9,961	$ 1,236,047	$ 16,942
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 14,362	$ 232,012	$ 24,427
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 309,504	$ 5,000,000	$ 526,412
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 121,949
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 102,788
	SOONER (SOONER5) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2011	6/1/2011			$ 47,602	$ 5,500,000	$ 85,581
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 2,109	$ 4,654,872	$ 4,228
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 610	$ 1,345,670	$ 1,038
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 14,071	$ 5,000,000	$ 28,777
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 64,404	$ 12,298,670	$ 100,488
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 5,939	$ 2,287,577	$ 9,413
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		Yes	$ 130,955	$ 1,500,000	$ 328,526
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 2,490,211	$ 93,558,233	$ 4,730,063
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 194,482	$ 6,500,000	$ 369,411
					Total	$ 11,786,200	$ 387,501,993	$ 22,774,917

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1165215	ELK CITY - ELK CITY 69KV CKT 1 AEPW	6/1/2007	12/1/2008		No
	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	6/1/2009	6/1/2009		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Norman Area Voltage Conversion	4/1/2007	6/1/2009		Yes
	PINK SWITCH CAPACITOR	12/1/2011	12/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

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

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

Customer	Study Number
WFEC	AG3-2006-120

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WFEC	1165218	CSWS	WFEC	100	4/1/2007	4/1/2011	6/1/2010	6/1/2014	$ -	$ -	$ 10,514,705	$ 21,476,640
									$ -	$ -	$ 10,514,705	$ 21,476,640

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1165218	5 TRIBES - HANCOCK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 14,992	$ 100,000	$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 179,899	$ 1,200,000	$ 360,952
	AGENCY - PECAN CREEK 161KV CKT 1	6/1/2007	6/1/2009		Yes	$ 14,992	$ 100,000	$ -
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2009			$ 9,809	$ 75,000	$ -
	CANEY CREEK 345/138 kV	5/1/2010	6/1/2010		Yes	$ 2,898,476	$ 31,000,000	$ 6,184,152
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2011	6/1/2011			$ 6,268	$ 90,000	$ -
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		Yes	$ 41,298	$ 850,000	$ 108,568
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	6/1/2010	6/1/2010			$ 18,942	$ 160,575	$ 40,480
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010			$ 11,796	$ 100,000	$ -
	GSEC Midway Interconnection #2	6/1/2011	6/1/2011			$ -	$ -	$ -
	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	6/1/2011	6/1/2011			$ 458,816	$ 56,000,000	$ 793,658
	Hugo - SunnySide 345kV	5/1/2010	5/1/2010			$ 529,534	$ 50,000,000	$ 948,780
	MOORELAND - CIMARRON 345kV	6/1/2011	6/1/2011			$ 2,240,450	$ 114,441,767	$ 4,459,563
	Mooreland - TUCO 345 kV SPS	6/1/2011	6/1/2011			$ 272,342	$ 46,671,570	$ 442,699
	Mooreland - TUCO 345 kV WFEC	6/1/2011	6/1/2011			$ 7,213	$ 1,236,047	$ 12,538
	Mooreland 345/138 kV Transformer CKT 1 Displacement	6/1/2011	6/1/2011			$ 14,944	$ 232,012	$ 25,977
	Mooreland 345/138 kV Transformer CKT 2	6/1/2011	6/1/2011			$ 322,055	$ 5,000,000	$ 559,817
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2011	6/1/2011			$ 18,541	$ 100,000	$ -
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009		Yes	$ 290,464	$ 1,937,514	$ 579,621
	Potter - Roosevelt 345KV Displacement	4/1/2007	6/1/2010		Yes	$ 29,947	$ 10,831,244	$ 63,894
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 309,133
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 258,001
	SOONER - WOODRING 345KV CKT 1	6/1/2011	6/1/2011			$ 5,840	$ 400,000	$ 11,624
	Spearville - Mooreland 345 kV SUNC Displacement	6/1/2011	6/1/2011			$ 44,743	$ 4,654,872	$ 92,386
	Spearville - Mooreland 345 kV WFEC Displacement	6/1/2011	6/1/2011			$ 12,935	$ 1,345,670	$ 22,484
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	5/1/2010	5/1/2010			$ 99,275	$ 5,000,000	$ 212,760
	Tuco - Tolk 345kV	6/1/2011	6/1/2011			$ 8,158	$ 12,298,670	$ 13,261
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	6/1/2011	6/1/2011			$ 1,867	$ 2,287,577	$ 3,083
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2007	6/1/2009		Yes	$ 124,038	$ 1,500,000	$ 326,084
	WOODRING - MOORELAND 345kV	6/1/2011	6/1/2011			$ 2,636,754	$ 93,558,233	$ 5,248,397
	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			$ 200,317	$ 6,500,000	$ 398,726
					Total	$ 10,514,705	$ 502,670,751	$ 21,476,640

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1165218	ELK CITY - ELK CITY 69KV CKT 1 AEPW	6/1/2007	12/1/2008		No
	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	6/1/2009	6/1/2009		
	MARIETTA SWITCH CAPACITOR	6/1/2011	6/1/2011		
	Norman Area Voltage Conversion	4/1/2007	6/1/2009		Yes
	PINK SWITCH CAPACITOR	12/1/2011	12/1/2011		
	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1165218	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV CKT 1	12/1/2006	12/1/2006		
	EAST CENTRAL HENRYETTA - WELEETKA 138KV CKT 1	6/1/2007	6/1/2007		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		

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 Available
1165218	NORTH CIMARRON, WALKEMEYER CAPACITOR	12/1/2008	6/1/2009		No

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

Customer WRGS
Study Number AG3-2006-024D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	1161506	WR	WR	380	5/1/2008	5/1/2014	10/1/2008	10/1/2014	$ 812,525	$ -	$ 812,525	$ 2,214,315
									$ 812,525	$ -	$ 812,525	$ 2,214,315

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161506	BOEING - STEARMAN 138KV CKT 1	6/1/2012	6/1/2012			$ 88,177	$ 300,000	$ 117,598
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 74,312	$ 300,000	$ 155,878
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 508,954	$ 2,000,000	$ 1,041,635
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 141,082	$ 610,000	$ 374,262
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 287,608
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 237,334
					Total	$ 812,525	$ 58,210,000	$ 2,214,315

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161506	ALTAMONT 138KV	6/1/2011	6/1/2011		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009	10/1/2008	Yes
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2013	6/1/2013		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	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	Earliest Service Start Date	Redispatch Available
1161506	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2008	6/1/2008		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161506	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
1161506	WICHITA - RENO 345KV	12/1/2009	7/1/2009		

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

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

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	1140120	WR	WR	360	5/1/2009	5/1/2015	5/1/2009	5/1/2015	$ -	$ -	$ 739,925	$ 2,109,978
									$ -	$ -	$ 739,925	$ 2,109,978

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1140120	BOEING - STEARMAN 138KV CKT 1	6/1/2012	6/1/2012			$ 85,332	$ 300,000	$ 118,702
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 71,914	$ 300,000	$ 157,340
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 492,538	$ 2,000,000	$ 1,051,423
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No	$ 90,141	$ 610,000	$ 249,418
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 293,529
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 239,567
					Total	$ 739,925	$ 58,210,000	$ 2,109,978

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1140120	ALTAMONT 138KV	6/1/2011	6/1/2011		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009	10/1/2008	No
	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009	10/1/2008	No
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2013	6/1/2013		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	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	Earliest Service Start Date	Redispatch Available
1140120	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2008	6/1/2008		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1140120	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
1140120	WICHITA - RENO 345KV	12/1/2009	7/1/2009		

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

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	1161997	MPS	WR	300	6/1/2007	6/1/2014	10/1/2008	10/1/2015	$ 825,309	$ -	$ 825,309	$ 3,092,190
									$ 825,309	$ -	$ 825,309	$ 3,092,190

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161997	BOEING - STEARMAN 138KV CKT 1	6/1/2012	6/1/2012			$ 126,491	$ 300,000	$ 174,431
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2011	6/1/2011			$ 69,855	$ 300,000	$ 151,510
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2011	6/1/2011			$ 479,809	$ 2,000,000	$ 1,015,372
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes	$ 149,154	$ 610,000	$ 409,128
	Sooner to Rose Hill 345 kV OKGE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 737,719
	Sooner to Rose Hill 345 kV WERE Expedite	6/1/2011	6/1/2011			$ -	$ 27,500,000	$ 604,029
					Total	$ 825,309	$ 58,210,000	$ 3,092,190

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 Available
1161997	ALTAMONT 138KV	6/1/2011	6/1/2011		
	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009	10/1/2008	Yes
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2013	6/1/2013		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	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	Earliest Service Start Date	Redispatch Available
1161997	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2008	6/1/2008		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2010	6/1/2010		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161997	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER Displacement	6/1/2007	6/1/2008	10/1/2007	Yes
	WICHITA - RENO 345KV	12/1/2009	7/1/2009		

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	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	Rebuild 3.24 miles of 1272 AAC with 2156 ACSR. Replace 3 switches, breaker jumpers, and reset CTs @ Arsenal Hill. Replace 2 switches and jumpers @ Fort Humbug	6/1/2011	6/1/2011	$2,750,000.00
AEPW	ARSENAL HILL - NORTH MARKET 69KV CKT 1	Rebuild 2.3 miles of 666 ACSR with 1272 ACSR	6/1/2009	4/1/2009	$2,500,000.00
AEPW	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	Replace auto	6/1/2010	6/1/2010	$2,000,000.00
AEPW	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	Replace auto	6/1/2010	6/1/2010	$2,000,000.00
AEPW	BANN - NW TEXARKANA-BANN T 138KV CKT 1	Reset Bann Relay	6/1/2008	6/1/2008	$20,000.00
AEPW	CLARKSVILLE - MUSKOGEE 345KV CKT 1 AEPW	Rebuild 2.54 miles with 2-795 ACSR & reset Clarksville CT, Replace Switches & Breakers @ Clarksville.	6/1/2011	6/1/2011	$4,000,000.00
AEPW	DIANA - PERDUE 138KV CKT 1	Replace Breakers 9310 & 10080 & five switches @ Perdue. Replace switch 12798 @ Diana	6/1/2015	6/1/2015	$750,000.00
AEPW	DYESS - ELM SPRINGS REC 161KV CKT 1	Reconductor with ACCC or ACSS Conductor and Replace Jumper, Switch, Breaker at Dyess and replace switch at Elm Springs	6/1/2011	6/1/2011	$3,000,000.00
AEPW	DYESS - TONTITOWN 161KV CKT 1	Reconductor with ACCC or ACSS Conductor	6/1/2016	6/1/2016	$3,000,000.00
AEPW	HEMPSTEAD - MCNEIL 345kV CKT 1	Build 50 miles of 2-795MCM ACSR from Turk - McNeil, Add 345kV terminal at McNeil, and auto at McNeil	6/1/2011	6/1/2011	$75,000,000.00
AEPW	HEMPSTEAD - NW TEXARKANA 345kV CKT 1	Build 33 miles of 2-795MCM ACSR from Turk NW Texarkana, Add 345kV terminal at NW Texarkana, Add 345kV terminal at Turk	6/1/2011	6/1/2011	$56,000,000.00
AEPW	HUGO POWER PLANT - VALLIANT 138KV CKT 1	Reset metering & transformer diff CTs and replace bus tubing	6/1/2011	6/1/2011	$150,000.00
AEPW	NEW BOSTON - NORTH NEW BOSTON 69KV CKT 1	Replace New Boston switches	6/1/2009	6/1/2009	$100,000.00
AEPW	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	Rebuild 2.29 miles of 2-397.5 ACSR with 1590 ACSR.	6/1/2009	6/1/2009	$2,500,000.00
AEPW	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 Expedite	Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos. Replace .two 138 kV breakers and five 138 kV switches. Reset relays and CTs	6/1/2008	6/1/2009	$1,500,000.00
AEPW	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 Expedite	Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos. Replace .two 138 kV breakers and five 138 kV switches. Reset relays and CTs	6/1/2008	6/1/2009	$1,500,000.00
GRDA	CLAREMORE (CLRAUTO3) 161/69/13.8KV TRANSFORMER CKT 3	Add 3rd 161/69 KV Transformer	6/1/2007	6/1/2009	$2,300,000.00
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	$700,000.00
MIDW	HEIZER 115/69KV TRANSFORMER CKT 1 Displacement	Replace auto	6/1/2011	6/1/2011	$174,198.00
MIDW	HEIZER 115/69KV TRANSFORMER CKT 2 Displacement	Replace auto	6/1/2011	6/1/2011	$174,198.00
MIPU	COOK - ST JOE 161KV CKT 1	Conductor, Switch, Relay	12/1/2007	4/1/2009	$4,400,000.00
MIPU	HARRISONVILLE 161/69KV TRANSFORMER CKT 1	Transformer Upgrade	6/1/2007	2/1/2009	$2,100,000.00
MIPU	Holden 12MVAR Capacitor	12MVAR Capactior at Holden 69kV	6/1/2016	6/1/2016	$400,000.00
OKGE	5 TRIBES - HANCOCK 161KV CKT 1	Replace 800A Wave Trap, increase Relay CTR to 1200-5A.	6/1/2007	6/1/2009	$100,000.00
OKGE	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	Replace 800A Wave Trap, increase Relay CTR to 1200-5A.	6/1/2010	6/1/2010	$100,000.00
OKGE	5 TRIBES - PECAN CREEK 161KV CKT 1	replace 636AS33 conductor with 795AS33	6/1/2007	6/1/2009	$1,200,000.00
OKGE	AGENCY - PECAN CREEK 161KV CKT 1	Replace Terminal Equipment	6/1/2007	6/1/2009	$100,000.00
OKGE	ARKOMA - FT SMITHW 161KV CKT 1	Replace 1200A terminal equipment at Arkoma to 2000A and rebuild 4.47 miles of line to 1590AS52.	6/1/2011	6/1/2011	$2,900,000.00
OKGE	CANADIAN - CEDAR LANE 138KV CKT 1	Replace 800A trap at Cedar Lane	6/1/2009	6/1/2009	$75,000.00
OKGE	CANEY CREEK 345/138 kV	Tap Sunnyside - Pittsburg 345kV and build new substation between Russett and Mills Creek. Build 25 miles of 138kV from new substation to Caney Creek	5/1/2010	6/1/2010	$31,000,000.00
OKGE	CIMARRON - NORTHWEST 345KV CKT 1	Replace trap at Cimarron Substation	6/1/2011	6/1/2011	$90,000.00
OKGE	CLARKSVILLE - MUSKOGEE 345KV CKT 1 OKGE	Change 2-345kV breakers to 3000A, a trap to 3000A, 5 switches to 3000A, and 2 differential relays	6/1/2011	6/1/2011	$955,000.00
OKGE	FAIRMONT TAP - WOODRING 138KV CKT 1	Reconductor .75 with ACCC conductor. Increase CTRs to at least 1600-5 ratio. Line relays will need to check to determine if replacement is needed.	6/1/2007	6/1/2009	$850,000.00
OKGE	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	Reconductor 1.27 miles of line to 1590AS52. WFEC will have to provide upgrade solution also for their Franklin (WFEC).	6/1/2010	6/1/2010	$160,575.00
OKGE	FT SMITH 500/345kV Transfromer	Add 2nd 500/345KV Auto	6/1/2011	6/1/2011	$10,000,000.00
OKGE	KINZE - MCELROY 138KV CKT 1	Rebuild 1.97 miles of 477AS33 to 795AS33	6/1/2010	6/1/2010	$600,000.00
OKGE	MILLER - WHITE EAGLE 138KV CKT 1	Replace line relay at White Eagle & Cont. Empire	6/1/2010	6/1/2010	$300,000.00
OKGE	MOORELAND - CIMARRON 345kV	Build 250 miles of 345kV line from Woodring - Mooreland - Cimarron and install two bus ties at Mooreland	6/1/2011	6/1/2011	$114,441,767.00
OKGE	MUSKOGEE - FT SMITH 345kV	Reroute the Muskogee - Ft. Smith 345kV line to AES for new generation to be put on the 345kV at AES and build 345kV section at AES.	6/1/2011	6/1/2011	$29,000,000.00
OKGE	MUSKOGEE - PECAN CREEK 345KV CKT 1	Increase CT ration at Pecan Creek from 800-5 to 2000-5 to allow a 1500 amp rating of line section.	6/1/2011	6/1/2011	$100,000.00
OKGE	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 3	Install 3rd bus tie at Northwest	6/1/2016	6/1/2016	$9,000,000.00
OKGE	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	Add a 345/161 kV 369MVA transformer	6/1/2007	6/1/2009	$1,937,514.00
OKGE	Sooner to Rose Hill 345 kV OKGE Expedite	New 345 kV line from Sooner to Oklahoma/Kansas	6/1/2011	6/1/2011	$27,500,000.00
OKGE	RUSSETT - RUSSETT 138KV CKT 1 OKGE	Replace trap and increase CTR. Pending verification of relays.	5/1/2010	5/1/2010	$45,000.00
OKGE	SOONER - WOODRING 345KV CKT 1	Replace a 1600A breaker	6/1/2011	6/1/2011	$400,000.00
OKGE	SOONER (SOONER5) 345/138/13.8KV TRANSFORMER CKT 3	Add 2nd 345/138kV bus tie at Sooner	6/1/2011	6/1/2011	$5,500,000.00
OKGE	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	Add 2nd 345/138KV Auto	5/1/2010	5/1/2010	$5,000,000.00
OKGE	WAUKOMIS TAP - WOODRING 138KV CKT 1	Reconductor 2.75 miles of line with Drake ACCC conductor and increase CTR.	6/1/2007	6/1/2009	$1,500,000.00
OKGE	WOODRING - MOORELAND 345kV	Build 250 miles of 345kV line from Woodring - Mooreland - Cimarron and install two bus ties at Mooreland	6/1/2011	6/1/2011	$93,558,233.00
OKGE	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 2	Install 2nd 345/138kV bus tie at Woodring	6/1/2011	6/1/2011	$6,500,000.00
SPS	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	Upgrade Roosevelt to Curry 115 kV circuit w/795 ACSR	4/1/2007	6/1/2010	$359,320.00
SPS	GSEC Midway Interconnection #1	New Delivery Point tapping 69 kV Tie Line from AEPW Shamrock to SPS Magic City	6/1/2007	6/1/2007	$70,000.00
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	$0.00
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	$46,671,570.00
SPS	Potter - Roosevelt 345KV Displacement	New 345 kV circuit from Potter - Roosevelt 2-795 ACSR & 345/230 kV 560 MVA transformer	4/1/2007	6/1/2010	$10,831,244.00
SPS	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2 Displacement	Add 2nd transformer 230/115 kV 252 MVA	4/1/2007	6/1/2010	$887,132.00
SPS	SPS MUST RUN GENERATION #1	Must Run Requirement of Cunningham #2 and Maddox #1 to prevent Voltage Collapse in 2007 Fall Peak for the AMERADA3 - DENVER CITY INTERCHANGE S 115KV CKT 1 line outage	10/1/2007	10/1/2007	$0.00
SPS	SPS MUST RUN GENERATION #3	SPS Voltage Instability for Tolk to Eddy 345 kV outage due to Scheduled Cunningham Outage and either High Wind Generation Level or Import Level in 2007 Summer Shoulder MUST Run Cunningham and Maddox Generation in order to not exceed approximately 225 MW o	12/1/2008	12/1/2008	$0.00
SPS	Tuco - Tolk 345kV	Build new 345kV line from Tuco to Tolk	6/1/2011	6/1/2011	$12,298,670.00
SPS	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	Install 345/115 kV Transformer at Tuco	6/1/2011	6/1/2011	$2,287,577.00

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
SUNC	HOLCOMB - PLYMELL 115KV CKT 1 Displacement	Holcomb to Pioneer Tap Rebuild	6/1/2008	6/1/2009	$0.00
SUNC	NORTH CIMARRON, WALKEMEYER CAPACITOR	Install 48 MVAR Capacitor bank at North Cimarron 56455 and 24 MVAR at Walkemeyer 56405	12/1/2008	6/1/2009	$4,200,000.00
SUNC	Spearville - Mooreland 345 kV SUNC Displacement	New 345 kV line from Spearville to Kansas/Oklahoma Stateline	6/1/2011	6/1/2011	$4,654,872.00
WEPL	Cimarron Plant Substation Expansion	Integrate SUNC North Cimarron Top into reconfigured WEPL Cimarron Plant Sub	6/1/2011	6/1/2011	$2,500,000.00
WEPL	GREENSBURG - JUDSON LARGE 115KV CKT 1	Replace relaying from Judson Large to Greensgirg	12/1/2006	1/1/2008	$153,114.00
WEPL	MEDICINE LODGE - SUN CITY 115KV CKT 1	Replace relaying from Sun City to Medicine Lodge	6/1/2007	1/1/2008	$150,000.00
WERE	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	Tear down / Rebuild 3.53-mile section of line, 556.5 kcmil ACSR	6/1/2011	6/1/2011	$1,200,000.00
WERE	BOEING - STEARMAN 138KV CKT 1	Uprate 1.95 mile Boeing-Stearman 138 kV line.	6/1/2012	6/1/2012	$300,000.00
WERE	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	Rebuild and reconductor 0.34 miles with 1192 ACSR and rebuild substations.	6/1/2011	6/1/2011	$300,000.00
WERE	EXIDE JUNCTION - SUMMIT 115KV CKT 1	Rebuild 4.94-mile Summit-Exide Jct 115 kV, 1192.5 ACSR	6/1/2011	6/1/2011	$2,000,000.00
WERE	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 #2	Rebuild 5.56-mile line, 954 ACSR	6/1/2016	6/1/2016	$2,200,000.00
WERE	NORTHVIEW - SUMMIT 115KV CKT 1	Uprate line to 100oC and replace wave trap	6/1/2007	6/1/2008	$610,000.00
WERE	Sooner to Rose Hill 345 kV WERE Expedite	New 345 kV line from Oklahoma/Kansas Stateline to Rose Hill	6/1/2011	6/1/2011	$27,500,000.00
WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	Replace switches and wavetrap at Franklin Switch to 2000A	6/1/2010	6/1/2010	$100,000.00
WFEC	Hugo - SunnySide 345kV	Add 345 line from Hugo to SunnySide	5/1/2010	5/1/2010	$50,000,000.00
WFEC	HUGO 345/138KV TRANSFORMER CKT 2	Add 2nd 500 MVA 345/138KV Auto	5/1/2010	5/1/2010	$2,500,000.00
WFEC	Mooreland - TUCO 345 kV WFEC	345 kV line Terminal	6/1/2011	6/1/2011	$1,236,047.00
WFEC	Mooreland 345/138 kV Transformer CKT 1 Displacement	New Mooreland 345/138 kV Transformer #1	6/1/2011	6/1/2011	$232,012.00
WFEC	Mooreland 345/138 kV Transformer CKT 2	New Mooreland 345/138 kV Transformer #2	6/1/2011	6/1/2011	$5,000,000.00
WFEC	Spearville - Mooreland 345 kV WFEC Displacement	New 345 kV line from Kansas/Oklahoma Stateline to Mooreland	6/1/2011	6/1/2011	$1,345,670.00

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. F	6/1/2007	6/1/2008
AEPW	Chamber Springs - Tontitown 345 kV	New 345 kV Line and Tontitown 345/161 kV Transformer	12/1/2006	6/1/2009
AEPW	Flint Creek - East Centerton 345 kV	New 345 kV Line and East Centerton 345/161 kV Transformer	6/1/2011	6/1/2011
GRDA	Ramona 138/69 kV	Add 138/69kV substation near Ramona	4/1/2007	4/1/2008
MIPU	CLINTON - CLINTON GREEN STREET 69KV CKT 1	Upgrade line to 795 26/7 ACSR conductor	6/1/2014	6/1/2010
MIPU	CLINTON - CLINTON PLANT 69KV CKT 1	Upgrade line to 795 26/7 ACSR conductor	6/1/2010	6/1/2010
MIPU	IATAN - ST JOE 345KV CKT 1	Circuit Breaker	6/1/2011	4/1/2008
SPS	HOBBS 115 KV Lines	Reroute two lines into New Hobbs Substation (Cunningham to Millen	12/1/2008	6/1/2008
SPS	HOBBS Substation and Lines	New 230/115 kV Substation on Lea Co to Midland 230 kV line with re	12/1/2008	6/1/2008
SPS	Mustang-San Andr-Amerada Hess 115KV Displacement	Terminate V53 at Mustang instead of Denver City - 3 mi of new 115 k	6/1/2007	6/1/2008
SPS	TUCO INTERCHANGE 230/115KV TRANSFORMER CKT 2	SPS Plan to Add 2nd 252 MVA 230/115 kV transformer	6/1/2007	6/1/2008
SPS	TUCO INTERCHANGE 230KV #1	SPS Plan to add 2 50 MVAR Shunt Capacitors at TUCO 230 kV, a 50	6/1/2007	6/1/2007
SPS	TUCO INTERCHANGE 230KV #2	SPS Plan to Add +150/-50 SVC at TUCO 230 kV	6/1/2008	6/1/2008
SUNC	PHILLIPSBURG - RHOADES	New line between Phillipsburg and Rhoades scheduled to be in servi	6/1/2007	6/1/2008
WERE	RENO - SUMMIT 345KV	Install new 50.55-mile 345 kV line from Reno county to Summit; 31 m	1/1/2011	1/1/2011
WERE	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER Displacement	Add third 345-138 kV transformer at Rose Hill	6/1/2007	6/1/2008
WERE	WICHITA - RENO 345KV	Build 345kV from Wichita to Reno Co	12/1/2009	7/1/2009
WFEC	ALTUS JCT TAP - RUSSELL 138KV CKT 1	WFEC has plans to Increase CT Rating. Project should be inservce	6/1/2011	6/1/2008

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

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

Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	Rebuild 1.68 miles of 1024 ACAR with 2156 ACSR, Replace wavetrap & jumpers with 2156 ACSR. Replace Switch 2285 @ Alumax Tap.	6/1/2007	4/1/2009
AEPW	BANN - LONESTAR ORDINANCE TAP 69KV CKT 1	Reset relays @ Bann and replace switch @ Lone Star Ordinance Tap	6/1/2009	6/1/2009
AEPW	BIG SANDY - HAWKINS 69KV CKT 1	Rebuild 5.5 miles of 477 ACSR with 1272 ACSR.	6/1/2016	6/1/2016
AEPW	BIG SANDY - PERDUE 69KV CKT 1	Rebuild 5.4 miles of 477 ACSR with 1272 ACSR.	6/1/2014	6/1/2014
AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW	Rebuild 7.66 miles of 3/0 CW CU with 795 ACSR	12/1/2007	4/1/2009
AEPW	DAINGERFIELD - JENKINS REC T 69KV CKT 1	Replace Daingerfield Breaker # 1M90 & reset relays	6/1/2011	6/1/2011
AEPW	DUNCAN (DUNCAN) 138/69/13.8KV TRANSFORMER CKT 1	Replace Duncan Autotransformer	6/1/2010	6/1/2010
AEPW	ELK CITY - ELK CITY 69KV CKT 1 AEPW	Replace metering CTs & Jumpers and reset relay Cts	6/1/2007	12/1/2008
AEPW	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	Replace 69 kVswitches	6/1/2011	6/1/2011
AEPW	LINWOOD - MCWILLIE STREET 138KV CKT 1	Rebuild 2.09 miles of 666 ACSR with 1272 ACSR	6/1/2007	6/1/2009
AEPW	PORT ROBSON - REDPOINT 138kV	New 138 kV line from Port Robson - Red Point via McDade & Haughton. Convert McDade & Haughton to 138 kV.	6/1/2011	6/1/2011
AEPW	Siloam Springs - South Fayetteville 161 kV	Convert Existing 69 kV Line to 161 kV Operation	6/1/2014	6/1/2014
AEPW	WALDRON CAPACITOR	Install additional cap bank at Waldron	6/1/2016	6/1/2016
CELE	BAYOU RAPIDES - TWIN BRIDGES 138KV CKT 1	Reconductor Bayou Rapides to Twin Bridges 138 kV	6/1/2011	6/1/2011
CELE	COCODRIE 230/138KV TRANSFORMER CKT 1	Replace Cocodrie 230/138 kV Auto XFMR	12/1/2011	12/1/2011
CELE	Natchitoches Capacitor	Install 28.8 MVAr capacitor bank at Natchitoches Bus 50131	6/1/2011	6/1/2011
GRDA	GRAY TAP - PENSACOLA 69KV CKT 1	Rebuild line to 795 ACSR	6/1/2009	6/1/2009
GRDA	Grove Neo 14.4MVAR Cap	Add 14.4MVAr Cap. Bank at Grove at Jay Area	6/1/2007	12/1/2008
GRDA	Kansas 7.2MVAR Cap	Add 7.2MVAr at Kansas area	6/1/2008	12/1/2008
GRDA	SCoffeyville Capacitor	Add 7.2MVAr at South Coffeyville Bus 97001	6/1/2008	6/1/2008
GRDA	Turkey Ford 7.2MVAR Cap	Install 7.2MVAR capacitors at Turkey Ford 69 kV bus	6/1/2007	12/1/2008
KACP	AVONDALE - GLADSTONE 161KV CKT 1	Replace 800 amp wavetrap at Gladstone with 1200 amp wavetrap	6/1/2014	6/1/2014
MIDW	HAYS PLANT - SOUTH HAYS 115KV CKT 1	Reconductor Line	6/1/2008	6/1/2009
MIDW	HAYS PLANT - VINE STREET 115KV CKT 1	Reconductor Line	6/1/2012	6/1/2012
MIDW	KINSLEY CAPACITOR	Install 12mvar capacitor at Kinsley	6/1/2007	6/1/2008
MIDW	ST JOHN CAPACITOR	20MVar capacitor at ST John	6/1/2011	6/1/2011
MIPU	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	Conductor	6/1/2016	6/1/2016
MIPU	EAST 20MVAR CAPACITOR	Add 20MVAR capacitor at East 161kV	12/1/2006	10/1/2008
MIPU	INDUSTRIAL PARK - LAKE ROAD 161KV CKT 1	Structure replacement - Higher line rating	6/1/2007	10/1/2008
MIPU	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	Upgrade to bundled 795 26/7 ACSR conductor	12/1/2006	10/1/2009
MIPU	RALPH GREEN 12MVAR CAPACITOR	12MVAR at Ralph Green	6/1/2011	6/1/2011
OKGE	COLONY - FT SMITH 161KV CKT 1	Reconductor 2.2 miles to Drake ACCC/TW and change terminal equipment at Ft. Smith & Colony to 2000A.	6/1/2009	6/1/2009
OKGE	FIXICO CAPACITOR	Install capacitors at Fixico	6/1/2016	6/1/2016
SPS	BC-EARTH INTERCHANGE 115KV	Install 1 - 14.4 MVar capacitor bank	6/1/2011	6/1/2011
SPS	CARLSBAD PLANT 115/69KV TRANSFORMERS	Upgrade to 75 MVA transformers	6/1/2007	6/1/2008
SPS	COX INTERCHANGE - LH-COX3 115KV CKT 1	Rebuild Cox-LHCox 115 kV circuit w/397 ACSR	6/1/2016	6/1/2016
SPS	HALE CO INTERCHANGE - LH-COX3 115KV CKT 1	Rebuild Hale - LHCox 115 kV circuit w/397 ACSR	6/1/2016	6/1/2016
SPS	Hart Interchange 230/115 kV	New 230/115 kV Hart Interchange tapping the Potter to Plant X 230 kV line with new 115 kV 397 ACSR ckt to Kress Int, 3-brkr 230 kV ring, 150 MVA auto, 115 kV terminal	6/1/2011	6/1/2011
SPS	Hitchland 345 and 115 kV Interchange	New 345/115 kV Substation on Potter to Finney 345 kV line near the Texas Oklahoma border with tap of Spearman to Texas Co 115 kV line (Three breaker 345 kV bus, 345/115 Kv transformer, five 115 kV breakers)	6/1/2010	6/1/2010
SPS	KRESS INTERCHANGE 115/69KV TRANSFORMER CKT 2	Upgrade #2 Transformer	6/1/2011	6/1/2011
SPS	LC-SOL3 115KV	Install 14.4 MVAR cap at LC SOL	6/1/2016	6/1/2016
SPS	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	Install 252 MVA Transformer	6/1/2007	6/1/2008
SPS	Pringle - Etter 115 kV	Build New 115 kV line from Pringle to Etter	6/1/2010	6/1/2010
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	Tex-Hitchland-Sherman Tap 115 kV ckt	Route Sherman Tap to Texas Co in/out of New Hitchland Interchange	6/1/2010	6/1/2010
SPS	TUCO INTERCHANGE 115/69KV TRANSFORMER	Move Load to 115 kV at TUCO	6/1/2011	6/1/2011
SWPA	BULL SHOALS - BULL SHOALS 161KV CKT 1	Replace buswork in Bull Shoals switchyard.	6/1/2009	6/1/2009
WEPL	CHAPMAN - CLAY CENTER 115KV CKT 1	Reset terminal equipment	6/1/2007	6/1/2009
WEPL	CLAY CENTER - GREENLEAF 115KV CKT 1	Building a new 115 kV tie with Westar from Greenleaf to Clay Center	6/1/2007	6/1/2009
WERE	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	Rebuild 7.61 miles from 95th & Waverly-Captain Junction 115 kV line.	6/1/2010	6/1/2010
WERE	ALTAMONT 138KV	Install 30 Mvar cap at Altamont 138 kV (bus # 57000)	6/1/2011	6/1/2011
WERE	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	Reset terminal equipment	6/1/2007	6/1/2009
WERE	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	2nd Dearing 138-69 kV Transformer	12/1/2011	12/1/2011
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 XFMR. And Rebuild Grant - Grant Jct. 69 kV line.	6/1/2007	6/1/2009
WERE	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 1.53-mile Co-op-Wakarusa 115 kV line.	6/1/2008	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 - INTERSTATE 138KV CKT 1	Replace wave trap	6/1/2013	6/1/2013
WERE	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 #1	Replace bus, jumpers and disconnect switches at MacArthur 69 kV substation to increase line capacity to conductor rating	6/1/2007	7/1/2007
WERE	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 4.09 mile SW Lawrence-Wakarusa 115 kV line	6/1/2009	6/1/2009
WERE	STRANGER CREEK TRANSFORMER CKT 2	Install second Stranger Creek 345-115 transformer	6/1/2009	6/1/2009
WFEC	ANADARKO - CYRIL 69KV CKT 1	Anadarko-Cyril 336>795 Reconductor 13 miles from 336 to 795 ACSR	6/1/2008	6/1/2009
WFEC	CASHION CAP BANK	Install 12MVAR Cap Bank at Cashion	6/1/2016	6/1/2016
WFEC	CYRIL - MEDICINE PARK JCT 69KV CKT 1	Cyril >MedparkJct 336>795: Reconductor 12.9 miles from 336 to 795 ACSR	6/1/2008	6/1/2009
WFEC	DOVER SWITCH CAPACITOR	12 MVAR at Dover Switch	6/1/2016	6/1/2016
WFEC	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	Replace 70 MVA Auto with 112 MVA autotranformer (100 MVA base Rating). Upgrade 138 and 69 KV buswork and switches.	6/1/2009	6/1/2009
WFEC	MARIETTA SWITCH CAPACITOR	12 MVAR at Marietta Switch	6/1/2011	6/1/2011
WFEC	Norman Area Voltage Conversion Displacement	Convert Canadian - OU - Cole - Criner to 138 KV and Canadian-Goldsby-OU-W Norman-Acme-Franklin	4/1/2007	6/1/2009
WFEC	PINK SWITCH CAPACITOR	New 12 MVAR Cap Bank at Pink Switch	12/1/2011	12/1/2011
WFEC	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138	Sayre to Sweetwater>Durham>Brantley>MorewoodSw convert to 138 KV	6/1/2011	6/1/2011

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	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	HUGO POWER PLANT - VALLIANT 345 KV AEPW	Vallient 345 KV line terminal	5/1/2010	5/1/2010
AEPW	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos. Replace .two 138 kV breakers and five 138 kV switches. Reset relays and CTs	6/1/2011	6/1/2011
AEPW	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos. Replace .two 138 kV breakers and five 138 kV switches. Reset relays and CTs	6/1/2011	6/1/2011
GRRD	412SUB - KANSAS TAP 161KV CKT 1	Reconductor 9.7 miles with 1590MCM ACSR.	6/1/2015	6/1/2015
GRRD	412SUB - KERR 161KV CKT 1	Reconductor 12.5 miles with 1590MCM ACSR	6/1/2015	6/1/2015
KACP	COLLEGE - CRAIG 161KV CKT 1	Reconductor 4 miles with 1192.5 ACSS, 558 normal/emergency rating and upgrade breaker.	6/1/2016	6/1/2016
KACP	IATAN - STRANGER CREEK 345KV CKT 2	Convert Iatan-Stranger Creek 161kV line to 345kV	6/1/2011	6/1/2011
KACP	LACYGNE - WEST GARDNER 345KV CKT 1	KCPL Sponsored Project to Reconductor Line to be In-Service by 6/1/2006	6/1/2006	6/1/2006
OKGE	ARCADIA - REDBUD 345 KV CKT 1	Sponsored Project to Uprate Terninal Equipment	6/1/2006	6/1/2006
OKGE	ARCADIA - REDBUD 345 KV CKT 2	Sponsored Project to Uprate Terninal Equipment	6/1/2006	6/1/2006
OKGE	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	Reconductor .92miles of line with Drake ACCC/TW.	6/1/2009	6/1/2009
OKGE	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	Reconductor 1.82 miles line with Drake ACCC/TW.	6/1/2009	6/1/2009
OKGE	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	OGE would rebuild .18 miles of 267AS33 with 795AS33. This would raise OGE's summer and winter Rate B to 287MVA. The limit will still be at WFEC's Mooreland at 390A & 600A.	6/1/2006	4/1/2008
OKGE	Sooner to Rose Hill 345 kV OKGE	New 345 kV line from Sooner to Oklahoma/Kansas	6/1/2016	6/1/2016
WERE	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	Add third 345-138 kV transformer at Rose Hill	6/1/2008	6/1/2008
WERE	Sooner to Rose Hill 345 kV WERE	New 345 kV line from Oklahoma/Kansas Stateline to Rose Hill	6/1/2016	6/1/2016
WERE	STRANGER CREEK - NW LEAVENWORTH 115KV	Teardown/rebuild Jarbalo-NW Leavenworth 115 kV line with double circuit tap to Stranger Creek	6/1/2010	6/1/2010
WFEC	ANADARKO 138/69KV TRANSFORMER CKT 1	Install 2nd 112 MVA auto in parallel with existing Unit	6/1/2011	6/1/2011
WFEC	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	Upgrade terminal equipment FPL Sw & Mooreland	6/1/2006	4/1/2008
WFEC	HUGO POWER PLANT - VALLIANT 345 KV WFEC	New 345/138 kv Auto, and 19 miles 345 KV	5/1/2010	5/1/2010

Table 5 - Third Party Facility Constraints

Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AECI	STIGLER 161/69KV TRANSFORMER CKT 1	Indeterminate	6/1/2010	6/1/2010	Indeterminate
AECI	TALLANT - RAMONA 161kV CKT 1	Indeterminate	4/1/2007	10/1/2008	Indeterminate
ENTR	3DODSON 115 - DANVILLE 115 (LPL) 115KV CKT 1	Indeterminate	4/1/2007	4/1/2007	Indeterminate
ENTR	3DODSON 115 - WINNFIELD 115KV CKT 1	Indeterminate	4/1/2007	4/1/2007	Indeterminate
ENTR	3GRENWD 115 - HUMPHREY 115KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	3GRENWD 115 - TERREBONNE 115KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	3RUSTNE 115 - DOWNSVILLE 115KV CKT 1	Indeterminate	4/1/2007	4/1/2007	Indeterminate
ENTR	3RUSTNE 115 - VIENNA 115KV CKT 1	Indeterminate	4/1/2007	4/1/2007	Indeterminate
ENTR	4KSPRGS 138 - CHAMPAGNE 138KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	4KSPRGS 138 - LINE 642 TAP 138KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	5MTREE - TWIST 161KV CKT 1	Indeterminate	6/1/2013	6/1/2013	Indeterminate
ENTR	5TRUMAN - HARISBURG TAP 161KV CKT 1	Indeterminate	6/1/2009	6/1/2009	Indeterminate
ENTR	5TRUMAN - TRUMANN WEST AECC 161KV CKT 1	Indeterminate	6/1/2011	6/1/2011	Indeterminate
ENTR	8WELLS 500 - WEBRE 500KV CKT 1	Indeterminate	6/1/2008	6/1/2008	Indeterminate
ENTR	ADAMS CREEK - BOGALUSA 230KV CKT 2	Indeterminate	4/1/2007	4/1/2007	Indeterminate
ENTR	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	Indeterminate	6/1/2010	6/1/2010	Indeterminate
ENTR	CLARENCE - MONTGOMERY 230KV CKT 1	Indeterminate	6/1/2011	6/1/2011	Indeterminate
ENTR	DOC BONIN 230/138KV TRANSFORMER CKT 1	Indeterminate	6/1/2011	6/1/2011	Indeterminate
ENTR	FRONT STREET - SLIDELL 230KV CKT 1	Indeterminate	4/1/2007	4/1/2007	Indeterminate
ENTR	GIBSON - HUMPHREY 115KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	GIBSON - RAMOS 138KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	GIBSON 138/115KV TRANSFORMER CKT 1	Indeterminate	6/1/2008	6/1/2008	Indeterminate
ENTR	GLEASON - MORRILTON EAST 161KV CKT 1	Indeterminate	6/1/2013	6/1/2013	Indeterminate
ENTR	JONES - JONESBORO 161KV CKT 1 ENTR	Indeterminate	6/1/2007	2/1/2008	Indeterminate
ENTR	JONESBORO - JONESBORO NORTH (AECC) 161KV CKT 1	Indeterminate	6/1/2010	6/1/2010	Indeterminate
ENTR	JONESBORO NORTH (AECC) - PARAGOULD SOUTH (AECC) 161KV CKT 1	Indeterminate	6/1/2009	6/1/2009	Indeterminate
ENTR	KINGDOM CITY - WILLIAMSBURG 161KV CKT 1	Indeterminate	6/1/2015	6/1/2015	Indeterminate
ENTR	LINE 642 TAP - LIVONIA BULK 138KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	LIVONIA BULK - WILBERT 138KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	PARKIN - TWIST 161KV CKT 1	Indeterminate	6/1/2013	6/1/2013	Indeterminate
ENTR	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	Indeterminate	6/1/2013	6/1/2013	Indeterminate
LAFA	DOC BONIN 230/138KV TRANSFORMER CKT 1	Indeterminate	6/1/2011	6/1/2011	Indeterminate
RAYBURN	BEN WHEELER - BARTONS CHAPEL	Indeterminate	6/1/2016	6/1/2016	Indeterminate
SWPA	JONES - JONESBORO 161KV CKT 1 SWPA	Change the ratio on the metering CTs to 1200/5 and adjust the meters	6/1/2007	2/1/2008	$2,000.00

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

Upgrade: 5 TRIBES - HANCOCK 161KV CKT 1 & 5 TRIBES - PECAN CREEK 161KV CKT 1
AGENCY - PECAN CREEK 161KV CKT 1 & PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1
Limiting Facility: PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: CLARKSVILLE - MUSKOGEE 345KV CKT 1
Flowgate: PECCANCK1275153756552241230 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161667	5.2	5.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'MUSKOGEE 345KV'	1516	0.13113	-0.44484	12
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'MUSKOGEE 345KV'	1516	0.13113	-0.44484	12
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'FPLWND2 34KV'	17.0034	0.00559	-0.3193	16
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'FPLWND2 34KV'	17.0034	0.00559	-0.3193	16
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'HORSESHOE LAKE 138KV'	91	0.00232	-0.31603	16
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'HORSESHOE LAKE 138KV'	380	0.00232	-0.31603	16
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'HORSESHOE LAKE 138KV'	211.2686	0.00232	-0.31603	16
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'HORSESHOE LAKE 138KV'	380	0.00232	-0.31603	16
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'HORSESHOE LAKE 138KV'	211.2686	0.00232	-0.31603	16
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'HORSESHOE LAKE 138KV'	91	0.00232	-0.31603	16
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'MCCLAIN 138KV'	478	0.00746	-0.32117	16
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'MCCLAIN 138KV'	478	0.00746	-0.32117	16
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'MUSTANG 138KV'	365.5	0.0066	-0.32031	16
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'MUSTANG 138KV'	365.5	0.0066	-0.32031	16
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'MUSTANG 69KV'	106	0.00639	-0.3201	16
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'MUSTANG 69KV'	106	0.00639	-0.3201	16
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	19.7	0.00561	-0.31932	16
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	19.7	0.00561	-0.31932	16
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'ONE OAK 345KV'	336	0.00767	-0.32138	16
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'ONE OAK 345KV'	336	0.00767	-0.32138	16
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'REDBUD 345KV'	250	0.00993	-0.32364	16
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'REDBUD 345KV'	250	0.00993	-0.32364	16
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'SEMINOLE 138KV'	477.1906	0.01153	-0.32524	16
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'SEMINOLE 138KV'	477.1906	0.01153	-0.32524	16
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'SEMINOLE 345KV'	996	0.01503	-0.32874	16
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'SEMINOLE 345KV'	996	0.01503	-0.32874	16
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'SMITH COGEN 138KV'	120	0.0066	-0.32031	16
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'SMITH COGEN 138KV'	120	0.0066	-0.32031	16
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'SOONER 345KV'	513	0.0043	-0.31801	16
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'SOONER 345KV'	513	0.0043	-0.31801	16
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'HORSESHOE LAKE 69KV'	16	-0.0007	-0.31301	17
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'HORSESHOE LAKE 69KV'	16	-0.0007	-0.31301	17
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'OMPA-PONCA CITY 69KV'	72.38512	-0.00012	-0.31359	17
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'OMPA-PONCA CITY 69KV'	72.38512	-0.00012	-0.31359	17
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'SOONER 138KV'	505	0.00146	-0.31517	17
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'SOONER 138KV'	505	0.00146	-0.31517	17
OKGE	'MUSKOGEE 161KV'	166	-0.31371	OKGE	'AES 161KV'	320	-0.02805	-0.28566	18
OKGE	'MUSKOGEE 161KV'	31	-0.31371	OKGE	'AES 161KV'	320	-0.02805	-0.28566	18
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'BROKEN BOW 138KV'	93.4	0.00869	-0.16362	32
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'DENISON 138KV'	59.40001	0.00841	-0.16334	32
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'BROKEN BOW 138KV'	93.4	0.00869	-0.16362	32
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'DENISON 138KV'	59.40001	0.00841	-0.16334	32
OKGE	'AES 161KV'	580	-0.02805	OKGE	'MUSKOGEE 345KV'	1516	0.13113	-0.15918	33
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'GREERS FERRY 161KV'	93.4	-0.00096	-0.15397	34
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'JONESBORO 161KV'	63	-0.00116	-0.15377	34
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'SIKESTON 161KV'	235	-0.00182	-0.15311	34
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'GREERS FERRY 161KV'	93.4	-0.00096	-0.15397	34
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'JONESBORO 161KV'	63	-0.00116	-0.15377	34
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'SIKESTON 161KV'	235	-0.00182	-0.15311	34
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	-0.0044	-0.15053	35
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'DARDANELLE 161KV'	105.2	-0.00806	-0.14687	35
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'KEYSTONE DAM 161KV'	59.40001	-0.00538	-0.14955	35
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'NORFORK 161KV'	20	-0.00614	-0.14879	35
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'TRUMAN 161KV'	102	-0.00652	-0.14841	35
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	-0.0044	-0.15053	35
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'DARDANELLE 161KV'	105.2	-0.00806	-0.14687	35
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'KEYSTONE DAM 161KV'	59.40001	-0.00538	-0.14955	35
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'NORFORK 161KV'	20	-0.00614	-0.14879	35
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'TRUMAN 161KV'	102	-0.00652	-0.14841	35
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'BULL SHOALS 161KV'	293.2	-0.00836	-0.14657	36
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'MCCARTNEY 161KV'	322.3152	-0.01208	-0.14285	36
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'STOCKTON 161KV'	44.1	-0.01046	-0.14447	36
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'BULL SHOALS 161KV'	293.2	-0.00836	-0.14657	36
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'MCCARTNEY 161KV'	322.3152	-0.01208	-0.14285	36
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'STOCKTON 161KV'	44.1	-0.01046	-0.14447	36
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'JAMES RIVER 161KV'	159	-0.0127	-0.14223	37
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'JAMES RIVER 69KV'	233.7285	-0.01273	-0.1422	37
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'TABLE ROCK 161KV'	186.8	-0.01301	-0.14192	37
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'JAMES RIVER 161KV'	159	-0.0127	-0.14223	37
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'JAMES RIVER 69KV'	233.7285	-0.01273	-0.1422	37
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'TABLE ROCK 161KV'	186.8	-0.01301	-0.14192	37
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'BEAVER 161KV'	98.6684	-0.0182	-0.13673	38
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'CARTHAGE 69KV'	30	-0.01653	-0.1384	38
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'BEAVER 161KV'	98.6684	-0.0182	-0.13673	38
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'CARTHAGE 69KV'	30	-0.01653	-0.1384	38
OKGE	'HORSESHOE LAKE 138KV'	169.2314	0.00232	OKGE	'MUSKOGEE 345KV'	1516	0.13113	-0.12881	40
OKGE	'OMPA-PONCA CITY 69KV'	84.21488	-0.00012	OKGE	'MUSKOGEE 345KV'	1516	0.13113	-0.13125	40
OKGE	'SOONER 138KV'	24.99997	0.00146	OKGE	'MUSKOGEE 345KV'	1516	0.13113	-0.12967	40
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	0.00561	OKGE	'MUSKOGEE 345KV'	1516	0.13113	-0.12552	41
OKGE	'SOONER 7 345 345KV'	1050	0.0043	OKGE	'MUSKOGEE 345KV'	1516	0.13113	-0.12683	41
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.00334	OKGE	'MUSKOGEE 345KV'	1516	0.13113	-0.12779	41
OKGE	'MCCLAIN 138KV'	42	0.00746	OKGE	'MUSKOGEE 345KV'	1516	0.13113	-0.12367	42
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'OZARK 161KV'	78	-0.03054	-0.12439	42
OKGE	'TINKER 5G 138KV'	62	0.00683	OKGE	'MUSKOGEE 345KV'	1516	0.13113	-0.1243	42
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'OZARK 161KV'	78	-0.03054	-0.12439	42
OKGE	'REDBUD 345KV'	650	0.00993	OKGE	'MUSKOGEE 345KV'	1516	0.13113	-0.1212	43
OKGE	'REDBUD 345KV'	300	0.00993	OKGE	'MUSKOGEE 345KV'	1516	0.13113	-0.1212	43
OKGE	'SEMINOLE 138KV'	27.80948	0.01153	OKGE	'MUSKOGEE 345KV'	1516	0.13113	-0.1196	44
SWPA	'TENKILLER FERRY 161KV'	26	-0.15493	SWPA	'ROBERT S. KERR 161KV'	107.2	-0.055	-0.09993	52
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'ROBERT S. KERR 161KV'	107.2	-0.055	-0.09993	52
SWPA	'WEBBERS FALLS 161KV'	30	-0.15493	SWPA	'EUFAULA 138KV'	51	-0.09432	-0.06061	86
AEPW	'FITZHUGH 161KV'	95.00001	-0.03058	AEPW	'COGENTRIX 345KV'	865	0.01751	-0.04809	108
AEPW	'FITZHUGH 161KV'	95.00001	-0.03058	AEPW	'WELSH 345KV'	990	0.01383	-0.04441	117
OKGE	'AES 161KV'	580	-0.02805	OKGE	'SEMINOLE 345KV'	996	0.01503	-0.04308	121
AEPW	'FITZHUGH 161KV'	95.00001	-0.03058	AEPW	'COMANCHE 138KV'	160	0.01231	-0.04289	121
AEPW	'FITZHUGH 161KV'	95.00001	-0.03058	AEPW	'WILKES 138KV'	441.4612	0.01256	-0.04314	121
AEPW	'FITZHUGH 161KV'	95.00001	-0.03058	AEPW	'WILKES 345KV'	311	0.01245	-0.04303	121
AEPW	'WELEETKA 138KV'	72	-0.02535	AEPW	'COGENTRIX 345KV'	865	0.01751	-0.04286	121
AEPW	'FITZHUGH 161KV'	95.00001	-0.03058	AEPW	'EASTMAN 138KV'	155	0.01225	-0.04283	122
AEPW	'FITZHUGH 161KV'	95.00001	-0.03058	AEPW	'KNOXLEE 138KV'	284	0.01214	-0.04272	122

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

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

Upgrade:	5 TRIBES - HANCOCK 161KV CKT 1 & 5 TRIBES - PECAN CREEK 161KV CKT 1 AGENCY - PECAN CREEK 161KV CKT 1 & PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1
Limiting Facility:	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1
Direction:	From->To
Line Outage:	CLARKSVILLE - MUSKOGEE 345KV CKT 1
Flowgate:	PECCANCK1275153756552241230 8SP
Date Redispatch Needed:	Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified:	2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161667	5.2	5.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.44484	12
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.44484	12
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'FPLWND2 34KV'	23.001	0.00561	-0.31933	16
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'FPLWND2 34KV'	23.001	0.00561	-0.31933	16
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'HORSESHOE LAKE 138KV'	380	0.00232	-0.31604	16
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'HORSESHOE LAKE 138KV'	346.0093	0.00232	-0.31604	16
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'HORSESHOE LAKE 138KV'	91	0.00232	-0.31604	16
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'HORSESHOE LAKE 138KV'	380	0.00232	-0.31604	16
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'HORSESHOE LAKE 138KV'	346.0093	0.00232	-0.31604	16
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'HORSESHOE LAKE 138KV'	91	0.00232	-0.31604	16
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'MCCLAIN 138KV'	478	0.00726	-0.32098	16
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'MCCLAIN 138KV'	478	0.00726	-0.32098	16
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'MUSTANG 138KV'	365.5	0.0066	-0.32032	16
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'MUSTANG 138KV'	365.5	0.0066	-0.32032	16
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'MUSTANG 69KV'	106	0.00639	-0.32011	16
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'MUSTANG 69KV'	106	0.00639	-0.32011	16
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	19.7	0.00561	-0.31933	16
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	19.7	0.00561	-0.31933	16
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'ONE OAK 345KV'	336	0.00765	-0.32137	16
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'ONE OAK 345KV'	336	0.00765	-0.32137	16
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'REDBUD 345KV'	250	0.00991	-0.32363	16
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'REDBUD 345KV'	250	0.00991	-0.32363	16
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'SEMINOLE 138KV'	477.9178	0.01151	-0.32523	16
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'SEMINOLE 138KV'	477.9178	0.01151	-0.32523	16
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'SEMINOLE 345KV'	996	0.01501	-0.32873	16
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'SEMINOLE 345KV'	996	0.01501	-0.32873	16
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'SMITH COGEN 138KV'	120	0.00662	-0.32034	16
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'SMITH COGEN 138KV'	120	0.00662	-0.32034	16
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'SOONER 345KV'	513	0.00428	-0.318	16
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'SOONER 345KV'	513	0.00428	-0.318	16
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'HORSESHOE LAKE 69KV'	16	-0.00071	-0.31301	17
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'HORSESHOE LAKE 69KV'	16	-0.00071	-0.31301	17
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'OMPA-PONCA CITY 69KV'	78.05951	-0.00014	-0.31358	17
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'OMPA-PONCA CITY 69KV'	78.05951	-0.00014	-0.31358	17
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'SOONER 138KV'	505	0.00144	-0.31516	17
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'SOONER 138KV'	505	0.00144	-0.31516	17
OKGE	'MUSKOGEE 161KV'	166	-0.31372	OKGE	'AES 161KV'	320	-0.02806	-0.28566	18
OKGE	'MUSKOGEE 161KV'	31	-0.31372	OKGE	'AES 161KV'	320	-0.02806	-0.28566	18
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'BROKEN BOW 138KV'	93.6	0.00867	-0.16361	32
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'DENISON 138KV'	59.59999	0.00839	-0.16333	32
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'BROKEN BOW 138KV'	93.6	0.00867	-0.16361	32
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'DENISON 138KV'	59.59999	0.00839	-0.16333	32
OKGE	'AES 161KV'	580	-0.02806	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.15918	33
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'GREERS FERRY 161KV'	93.6	-0.00096	-0.15398	34
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'JONESBORO 161KV'	63	-0.00116	-0.15378	34
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'SIKESTON 161KV'	235	-0.00181	-0.15313	34
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'GREERS FERRY 161KV'	93.6	-0.00096	-0.15398	34
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'JONESBORO 161KV'	63	-0.00116	-0.15378	34
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'SIKESTON 161KV'	235	-0.00181	-0.15313	34
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'BULL SHOALS 161KV'	294	-0.00835	-0.14659	35
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	-0.00439	-0.15055	35
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'DARDANELLE 161KV'	105.2	-0.00806	-0.14688	35
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'KEYSTONE DAM 161KV'	59.59999	-0.00539	-0.14955	35
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'NORFORK 161KV'	20	-0.00613	-0.14881	35
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'TRUMAN 161KV'	102	-0.0065	-0.14844	35
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'BULL SHOALS 161KV'	294	-0.00835	-0.14659	35
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	-0.00439	-0.15055	35
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'DARDANELLE 161KV'	105.2	-0.00806	-0.14688	35
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'KEYSTONE DAM 161KV'	59.59999	-0.00539	-0.14955	35
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'NORFORK 161KV'	20	-0.00613	-0.14881	35
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'TRUMAN 161KV'	102	-0.0065	-0.14844	35
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'MCCARTNEY 161KV'	342.4351	-0.01206	-0.14288	36
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'STOCKTON 161KV'	44.3	-0.01044	-0.1445	36
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'MCCARTNEY 161KV'	342.4351	-0.01206	-0.14288	36
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'STOCKTON 161KV'	44.3	-0.01044	-0.1445	36
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'JAMES RIVER 161KV'	159	-0.01268	-0.14226	37
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'JAMES RIVER 69KV'	233.6244	-0.01271	-0.14223	37
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'TABLE ROCK 161KV'	187.2	-0.01298	-0.14196	37
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'JAMES RIVER 161KV'	159	-0.01268	-0.14226	37
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'JAMES RIVER 69KV'	233.6244	-0.01271	-0.14223	37
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'TABLE ROCK 161KV'	187.2	-0.01298	-0.14196	37
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'BEAVER 161KV'	101.2917	-0.01816	-0.13678	38
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'CARTHAGE 69KV'	32	-0.01649	-0.13845	38
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'BEAVER 161KV'	101.2917	-0.01816	-0.13678	38
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'CARTHAGE 69KV'	32	-0.01649	-0.13845	38
OKGE	'CONTINENTAL EMPIRE 138KV'	32	0.00144	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.12968	40
OKGE	'HORSESHOE LAKE 138KV'	34.49069	0.00232	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.1288	40
OKGE	'OMPA-PONCA CITY 69KV'	78.5405	-0.00014	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.13126	40
OKGE	'SOONER 138KV'	24.99997	0.00144	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.12968	40
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	0.00561	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.12551	41
OKGE	'SOONER 7 345 345KV'	1050	0.00428	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.12684	41
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.00333	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.12779	41
OKGE	'MCCLAIN 138KV'	42	0.00726	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.12386	42
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'OZARK 161KV'	98	-0.03055	-0.12439	42
OKGE	'TINKER 5G 138KV'	62	0.00682	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.1243	42
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'OZARK 161KV'	98	-0.03055	-0.12439	42
OKGE	'REDBUD 345KV'	650	0.00991	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.12121	43
OKGE	'REDBUD 345KV'	300	0.00991	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.12121	43
OKGE	'SEMINOLE 138KV'	27.08218	0.01151	OKGE	'MUSKOGEE 345KV'	1516	0.13112	-0.11961	44
SWPA	'TENKILLER FERRY 161KV'	26	-0.15494	SWPA	'ROBERT S. KERR 161KV'	107.6	-0.05501	-0.09993	52
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'ROBERT S. KERR 161KV'	107.6	-0.05501	-0.09993	52
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.15494	SWPA	'EUFAULA 138KV'	51	-0.09433	-0.06061	86
OKGE	'AES 161KV'	580	-0.02806	OKGE	'SEMINOLE 345KV'	996	0.01501	-0.04307	121
AEPW	'WELEETKA 138KV'	58	-0.02536	AEPW	'COGENTRIX 345KV'	865	0.01751	-0.04287	121
AEPW	'MID-CONTINENT 138KV'	142.11	-0.02527	AEPW	'COGENTRIX 345KV'	865	0.01751	-0.04278	122

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

AEPW	'AEP-CT0613.8 161KV'	510	-0.02228	AEPW	'COGENTRIX 345KV'	865	0.01751	-0.03979	131
OKGE	'AES 161KV'	580	-0.02806	OKGE	'SEMINOLE 138KV'	477.9178	0.01151	-0.03957	132
AEPW	'MID-CONTINENT 138KV'	142.11	-0.02527	AEPW	'WELSH 345KV'	1044	0.01382	-0.03909	133
AEPW	'WELEETKA 138KV'	58	-0.02536	AEPW	'WELSH 345KV'	1044	0.01382	-0.03918	133
OKGE	'AES 161KV'	580	-0.02806	OKGE	'REDBUD 345KV'	250	0.00991	-0.03797	137

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

Upgrade: 5 TRIBES - HANCOCK 161KV CKT 1 & 5 TRIBES - PECAN CREEK 161KV CKT 1
AGENCY - PECAN CREEK 161KV CKT 1 & PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1
Limiting Facility: PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FT SMITH - MUSKOGEE 345KV CKT 1
Flowgate: PECCANCK1275155302552241310 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161665	0.4	14.2
1161666	4.7	14.2
1162087	1.9	14.2
1162654	0.3	14.2
1162763	2.4	14.2
1162766	2.1	14.2
1165218	2.3	14.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'MUSKOGEE 345KV'	1516	0.14402	-0.44177	32
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'MUSKOGEE 345KV'	1516	0.14402	-0.44177	32
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'MCCLAIN 138KV'	478	0.03739	-0.33514	42
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'MCCLAIN 138KV'	478	0.03739	-0.33514	42
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'MUSTANG 138KV'	365.5	0.03717	-0.33492	42
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'MUSTANG 138KV'	365.5	0.03717	-0.33492	42
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'MUSTANG 69KV'	106	0.03697	-0.33472	42
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'MUSTANG 69KV'	106	0.03697	-0.33472	42
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'ONE OAK 345KV'	132	0.03912	-0.33687	42
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'ONE OAK 345KV'	132	0.03912	-0.33687	42
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'REDBUD 345KV'	350	0.04329	-0.34104	42
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'REDBUD 345KV'	350	0.04329	-0.34104	42
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'SEMINOLE 138KV'	482.4877	0.03947	-0.33722	42
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'SEMINOLE 138KV'	482.4877	0.03947	-0.33722	42
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'SEMINOLE 345KV'	996	0.04294	-0.34069	42
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'SEMINOLE 345KV'	996	0.04294	-0.34069	42
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'SMITH COGEN 138KV'	120	0.03708	-0.33483	42
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'SMITH COGEN 138KV'	120	0.03708	-0.33483	42
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'FPLWND2 34KV'	102	0.0362	-0.33395	43
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'FPLWND2 34KV'	102	0.0362	-0.33395	43
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'HORSESHOE LAKE 138KV'	91	0.03336	-0.33111	43
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'HORSESHOE LAKE 138KV'	90.93799	0.03336	-0.33111	43
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'HORSESHOE LAKE 138KV'	380	0.03336	-0.33111	43
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'HORSESHOE LAKE 138KV'	90.93799	0.03336	-0.33111	43
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'HORSESHOE LAKE 138KV'	91	0.03336	-0.33111	43
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'HORSESHOE LAKE 138KV'	380	0.03336	-0.33111	43
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'HORSESHOE LAKE 69KV'	16	0.03043	-0.32818	43
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'HORSESHOE LAKE 69KV'	16	0.03043	-0.32818	43
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	19.7	0.03662	-0.33437	43
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	19.7	0.03662	-0.33437	43
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'OMPA-PONCA CITY 69KV'	76.39126	0.03391	-0.33166	43
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'OMPA-PONCA CITY 69KV'	76.39126	0.03391	-0.33166	43
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'SLEEPING BEAR 34KV'	120	0.03627	-0.33402	43
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'SLEEPING BEAR 34KV'	120	0.03627	-0.33402	43
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'SOONER 138KV'	505	0.0348	-0.33255	43
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'SOONER 138KV'	505	0.0348	-0.33255	43
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'SOONER 345KV'	513	0.03634	-0.33409	43
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'SOONER 345KV'	513	0.03634	-0.33409	43
OKGE	'MUSKOGEE 161KV'	166	-0.29775	OKGE	'AES 161KV'	320	-0.06234	-0.23541	60
OKGE	'MUSKOGEE 161KV'	31	-0.29775	OKGE	'AES 161KV'	320	-0.06234	-0.23541	60
OKGE	'AES 161KV'	580	-0.06234	OKGE	'MUSKOGEE 345KV'	1516	0.14402	-0.20636	69
SWPA	'TENKILLER FERRY 161KV'	26	-0.14954	SWPA	'KEYSTONE DAM 161KV'	59.40001	0.0416	-0.19114	74
SWPA	'WEBBERS FALLS 161KV'	30	-0.14954	SWPA	'KEYSTONE DAM 161KV'	59.40001	0.0416	-0.19114	74
SWPA	'TENKILLER FERRY 161KV'	26	-0.14954	SWPA	'DENISON 138KV'	59.40001	0.03216	-0.1817	78
SWPA	'WEBBERS FALLS 161KV'	30	-0.14954	SWPA	'DENISON 138KV'	59.40001	0.03216	-0.1817	78
SWPA	'WEBBERS FALLS 161KV'	30	-0.14954	SWPA	'BROKEN BOW 138KV'	93.4	0.02135	-0.17089	83
SWPA	'WEBBERS FALLS 161KV'	30	-0.14954	SWPA	'BEAVER 161KV'	100.8389	0.01937	-0.16891	84
SWPA	'WEBBERS FALLS 161KV'	30	-0.14954	SWPA	'CARTHAGE 69KV'	30	0.01826	-0.1678	85
SWPA	'WEBBERS FALLS 161KV'	30	-0.14954	SWPA	'STOCKTON 161KV'	44.1	0.01717	-0.16671	85
SWPA	'WEBBERS FALLS 161KV'	30	-0.14954	SWPA	'JAMES RIVER 161KV'	159	0.01591	-0.16545	86
SWPA	'WEBBERS FALLS 161KV'	30	-0.14954	SWPA	'JAMES RIVER 69KV'	233.8114	0.01591	-0.16545	86
SWPA	'WEBBERS FALLS 161KV'	30	-0.14954	SWPA	'MCCARTNEY 161KV'	322.3152	0.01556	-0.1651	86
SWPA	'WEBBERS FALLS 161KV'	30	-0.14954	SWPA	'TRUMAN 161KV'	102	0.01577	-0.16531	86
SWPA	'WEBBERS FALLS 161KV'	30	-0.14954	SWPA	'TABLE ROCK 161KV'	186.8	0.01343	-0.16297	87
SWPA	'WEBBERS FALLS 161KV'	30	-0.14954	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	0.01139	-0.16093	88
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'OEC 345KV'	506	0.07016	-0.12724	112
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'COGENTRIX 345KV'	865	0.06595	-0.12303	116
OKGE	'HORSESHOE LAKE 138KV'	289.562	0.03336	OKGE	'MUSKOGEE 345KV'	1516	0.14402	-0.11066	128
OKGE	'OMPA-PONCA CITY 69KV'	80.20874	0.03391	OKGE	'MUSKOGEE 345KV'	1516	0.14402	-0.11011	129
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'RIVERSIDE STATION 138KV'	646	0.05179	-0.10887	131
OKGE	'SOONER 7 345 345KV'	1050	0.03634	OKGE	'MUSKOGEE 345KV'	1516	0.14402	-0.10768	132
OKGE	'TINKER 5G 138KV'	62	0.03673	OKGE	'MUSKOGEE 345KV'	1516	0.14402	-0.10729	132
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'TULSA POWER STATION 138KV'	112	0.04951	-0.10659	133
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'TULSA POWER STATION 138KV'	147	0.04951	-0.10659	133
OKGE	'AES 161KV'	580	-0.06234	OKGE	'REDBUD 345KV'	350	0.04329	-0.10563	135
OKGE	'AES 161KV'	580	-0.06234	OKGE	'SEMINOLE 345KV'	996	0.04294	-0.10528	135
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'NORTHEASTERN STATION 345KV'	645	0.04744	-0.10452	136
OKGE	'ONE OAK 345KV'	204	0.03912	OKGE	'MUSKOGEE 345KV'	1516	0.14402	-0.1049	136
OKGE	'AES 161KV'	580	-0.06234	OKGE	'ONE OAK 345KV'	132	0.03912	-0.10146	140
OKGE	'AES 161KV'	580	-0.06234	OKGE	'SEMINOLE 138KV'	482.4877	0.03947	-0.10181	140
OKGE	'REDBUD 345KV'	550	0.04329	OKGE	'MUSKOGEE 345KV'	1516	0.14402	-0.10073	141
OKGE	'REDBUD 345KV'	300	0.04329	OKGE	'MUSKOGEE 345KV'	1516	0.14402	-0.10073	141
OKGE	'AES 161KV'	580	-0.06234	OKGE	'MCCLAIN 138KV'	478	0.03739	-0.09973	143
OKGE	'AES 161KV'	580	-0.06234	OKGE	'MUSTANG 138KV'	365.5	0.03717	-0.09951	143
OKGE	'AES 161KV'	580	-0.06234	OKGE	'MUSTANG 69KV'	106	0.03697	-0.09931	143
OKGE	'AES 161KV'	580	-0.06234	OKGE	'SMITH COGEN 138KV'	120	0.03708	-0.09942	143
OKGE	'AES 161KV'	580	-0.06234	OKGE	'FPLWND2 34KV'	102	0.0362	-0.09854	144
OKGE	'AES 161KV'	580	-0.06234	OKGE	'SLEEPING BEAR 34KV'	120	0.03627	-0.09861	144
OKGE	'AES 161KV'	580	-0.06234	OKGE	'SOONER 345KV'	513	0.03634	-0.09868	144
OKGE	'AES 161KV'	580	-0.06234	OKGE	'SOONER 138KV'	505	0.0348	-0.09714	146
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'COMANCHE 138KV'	160	0.04	-0.09708	146
OKGE	'AES 161KV'	580	-0.06234	OKGE	'OMPA-PONCA CITY 69KV'	76.39126	0.03391	-0.09625	148
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'COMANCHE 69KV'	63	0.03925	-0.09633	148
OKGE	'AES 161KV'	580	-0.06234	OKGE	'HORSESHOE LAKE 138KV'	380	0.03336	-0.0957	149

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

OKGE	'AES 161KV'	580	-0.06234	OKGE	'HORSESHOE LAKE 138KV'	90.93799	0.03336	-0.0957	149
OKGE	'AES 161KV'	580	-0.06234	OKGE	'HORSESHOE LAKE 138KV'	91	0.03336	-0.0957	149
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'SOUTHWESTERN STATION 138KV'	354.5	0.03747	-0.09455	150
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'WEATHERFORD 34KV'	148	0.0369	-0.09398	151
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'NORTHEASTERN STATION 138KV'	405	0.02974	-0.08682	164
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'NORTHEASTERN STATION 138KV'	95	0.02974	-0.08682	164
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'FLINT CREEK 161KV'	420	0.02508	-0.08216	173
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'WELSH 345KV'	990	0.01854	-0.07562	188
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'WILKES 138KV'	374.5763	0.01603	-0.07311	194
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'WILKES 345KV'	311	0.01565	-0.07273	195
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'EASTMAN 138KV'	155	0.0153	-0.07238	196
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'LEBROCK 345KV'	365	0.0153	-0.07238	196
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'KNOXLEE 138KV'	284	0.01508	-0.07216	197
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'PIRKEY GENERATION 138KV'	475	0.01519	-0.07227	197
AEPW	'FITZHUGH 161KV'	95.00001	-0.05708	AEPW	'LIEBERMAN 138KV'	91	0.013	-0.07008	203
AEPW	'WELEETKA 138KV'	72	0.00293	AEPW	'OEC 345KV'	506	0.07016	-0.06723	211

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

Upgrade: 5 TRIBES - HANCOCK 161KV CKT 1 & 5 TRIBES - PECAN CREEK 161KV CKT 1
AGENCY - PECAN CREEK 161KV CKT 1 & PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1
Limiting Facility: PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FT SMITH - MUSKOGEE 345KV CKT 1
Flowgate: PECCANCK1275155302552241310 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161665	0.6	16.2
1161666	5.3	16.2
1162087	2.2	16.2
1162654	0.4	16.2
1162763	2.7	16.2
1162766	2.5	16.2
1165218	2.6	16.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'MUSKOGEE 345KV'	1516	0.14399	-0.44177	37
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'MUSKOGEE 345KV'	1516	0.14399	-0.44177	37
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'MCCLAIN 138KV'	478	0.03723	-0.33501	48
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'MCCLAIN 138KV'	478	0.03723	-0.33501	48
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'MUSTANG 138KV'	365.5	0.03717	-0.33495	48
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'MUSTANG 138KV'	365.5	0.03717	-0.33495	48
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'ONE OAK 345KV'	136	0.03909	-0.33687	48
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'ONE OAK 345KV'	136	0.03909	-0.33687	48
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'REDBUD 345KV'	350	0.04327	-0.34105	48
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'REDBUD 345KV'	350	0.04327	-0.34105	48
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'SEMINOLE 138KV'	483.9937	0.03944	-0.33722	48
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'SEMINOLE 138KV'	483.9937	0.03944	-0.33722	48
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'SEMINOLE 345KV'	996	0.04292	-0.3407	48
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'SEMINOLE 345KV'	996	0.04292	-0.3407	48
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'FPLWND2 34KV'	102	0.03622	-0.334	49
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'FPLWND2 34KV'	102	0.03622	-0.334	49
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'HORSESHOE LAKE 138KV'	380	0.03335	-0.33113	49
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'HORSESHOE LAKE 138KV'	91	0.03335	-0.33113	49
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'HORSESHOE LAKE 138KV'	231.0713	0.03335	-0.33113	49
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'HORSESHOE LAKE 138KV'	231.0713	0.03335	-0.33113	49
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'HORSESHOE LAKE 138KV'	380	0.03335	-0.33113	49
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'HORSESHOE LAKE 138KV'	91	0.03335	-0.33113	49
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'MUSTANG 69KV'	106	0.03697	-0.33475	49
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'MUSTANG 69KV'	106	0.03697	-0.33475	49
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	19.7	0.03661	-0.33439	49
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	19.7	0.03661	-0.33439	49
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'OMPA-PONCA CITY 69KV'	78.11102	0.03389	-0.33167	49
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'OMPA-PONCA CITY 69KV'	78.11102	0.03389	-0.33167	49
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'SLEEPING BEAR 34KV'	120	0.03629	-0.33407	49
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'SLEEPING BEAR 34KV'	120	0.03629	-0.33407	49
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'SMITH COGEN 138KV'	120	0.03708	-0.33486	49
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'SMITH COGEN 138KV'	120	0.03708	-0.33486	49
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'SOONER 138KV'	505	0.03478	-0.33256	49
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'SOONER 138KV'	505	0.03478	-0.33256	49
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'SOONER 345KV'	513	0.03632	-0.3341	49
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'SOONER 345KV'	513	0.03632	-0.3341	49
OKGE	'MUSKOGEE 161KV'	166	-0.29778	OKGE	'AES 161KV'	320	-0.06238	-0.2354	69
OKGE	'MUSKOGEE 161KV'	31	-0.29778	OKGE	'AES 161KV'	320	-0.06238	-0.2354	69
OKGE	'AES 161KV'	580	-0.06238	OKGE	'MUSKOGEE 345KV'	1516	0.14399	-0.20637	79
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.14958	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.04158	-0.19116	85
SWPA	'WEBBERS FALLS 161KV'	29.8	-0.14958	SWPA	'DENISON 138KV'	59.59999	0.03214	-0.18172	89
OKGE	'HORSESHOE LAKE 138KV'	149.4287	0.03335	OKGE	'MUSKOGEE 345KV'	1516	0.14399	-0.11064	147
OKGE	'OMPA-PONCA CITY 69KV'	78.48898	0.03389	OKGE	'MUSKOGEE 345KV'	1516	0.14399	-0.1101	148
OKGE	'SOONER 7 345 345KV'	1050	0.03632	OKGE	'MUSKOGEE 345KV'	1516	0.14399	-0.10767	151
OKGE	'TINKER 5G 138KV'	62	0.03671	OKGE	'MUSKOGEE 345KV'	1516	0.14399	-0.10728	151
OKGE	'AES 161KV'	580	-0.06238	OKGE	'REDBUD 345KV'	350	0.04327	-0.10565	154
OKGE	'AES 161KV'	580	-0.06238	OKGE	'SEMINOLE 345KV'	996	0.04292	-0.1053	154
OKGE	'ONE OAK 345KV'	200	0.03909	OKGE	'MUSKOGEE 345KV'	1516	0.14399	-0.1049	155
OKGE	'AES 161KV'	580	-0.06238	OKGE	'ONE OAK 345KV'	136	0.03909	-0.10147	160
OKGE	'AES 161KV'	580	-0.06238	OKGE	'SEMINOLE 138KV'	483.9937	0.03944	-0.10182	160
OKGE	'REDBUD 345KV'	550	0.04327	OKGE	'MUSKOGEE 345KV'	1516	0.14399	-0.10072	161
OKGE	'REDBUD 345KV'	300	0.04327	OKGE	'MUSKOGEE 345KV'	1516	0.14399	-0.10072	161
OKGE	'AES 161KV'	580	-0.06238	OKGE	'MCCLAIN 138KV'	478	0.03723	-0.09961	163
OKGE	'AES 161KV'	580	-0.06238	OKGE	'MUSTANG 138KV'	365.5	0.03717	-0.09955	163
OKGE	'AES 161KV'	580	-0.06238	OKGE	'MUSTANG 69KV'	106	0.03697	-0.09935	163
OKGE	'AES 161KV'	580	-0.06238	OKGE	'SMITH COGEN 138KV'	120	0.03708	-0.09946	163
OKGE	'AES 161KV'	580	-0.06238	OKGE	'FPLWND2 34KV'	102	0.03622	-0.0986	165
OKGE	'AES 161KV'	580	-0.06238	OKGE	'SLEEPING BEAR 34KV'	120	0.03629	-0.09867	165
OKGE	'AES 161KV'	580	-0.06238	OKGE	'SOONER 345KV'	513	0.03632	-0.0987	165
OKGE	'AES 161KV'	580	-0.06238	OKGE	'SOONER 138KV'	505	0.03478	-0.09716	167
OKGE	'AES 161KV'	580	-0.06238	OKGE	'OMPA-PONCA CITY 69KV'	78.11102	0.03389	-0.09627	169
OKGE	'AES 161KV'	580	-0.06238	OKGE	'HORSESHOE LAKE 138KV'	380	0.03335	-0.09573	170
OKGE	'AES 161KV'	580	-0.06238	OKGE	'HORSESHOE LAKE 138KV'	91	0.03335	-0.09573	170
OKGE	'AES 161KV'	580	-0.06238	OKGE	'HORSESHOE LAKE 138KV'	231.0713	0.03335	-0.09573	170
AEPW	'2006-10 24.0 115KV'	620	0.01154	AEPW	'OEC 345KV'	456	0.07014	-0.0586	277
AEPW	'AH-CC_ST18.0 138KV'	550	0.01249	AEPW	'OEC 345KV'	456	0.07014	-0.05765	282
AEPW	'LIEBERMAN 138KV'	137	0.01298	AEPW	'OEC 345KV'	456	0.07014	-0.05716	284
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.01418	AEPW	'OEC 345KV'	456	0.07014	-0.05596	290
AEPW	'EASTMAN 138KV'	330.01	0.01528	AEPW	'OEC 345KV'	456	0.07014	-0.05486	296
AEPW	'LEBROCK 345KV'	382	0.01529	AEPW	'OEC 345KV'	456	0.07014	-0.05485	296
AEPW	'2006-10 24.0 115KV'	620	0.01154	AEPW	'COGENTRIX 345KV'	865	0.06593	-0.05439	299
AEPW	'WILKES 138KV'	105.2532	0.01602	AEPW	'OEC 345KV'	456	0.07014	-0.05412	300
AEPW	'AH-CC_ST18.0 138KV'	550	0.01249	AEPW	'COGENTRIX 345KV'	865	0.06593	-0.05344	304

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

AEPW	'LIEBERMAN 138KV'	137	0.01298	AEPW	'COGENTRIX 345KV'	865	0.06593	-0.05295	307
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.01418	AEPW	'COGENTRIX 345KV'	865	0.06593	-0.05175	314
AEPW	'EASTMAN 138KV'	330.01	0.01528	AEPW	'COGENTRIX 345KV'	865	0.06593	-0.05065	321
AEPW	'LEBROCK 345KV'	382	0.01529	AEPW	'COGENTRIX 345KV'	865	0.06593	-0.05064	321
AEPW	'MID-CONTINENT 138KV'	142.11	0.02122	AEPW	'OEC 345KV'	456	0.07014	-0.04892	332
AEPW	'MID-CONTINENT 138KV'	142.11	0.02122	AEPW	'COGENTRIX 345KV'	865	0.06593	-0.04471	363
AEPW	'AEP-CT0613.8 161KV'	510	0.02894	AEPW	'OEC 345KV'	456	0.07014	-0.0412	394
AEPW	'2006-10 24.0 115KV'	620	0.01154	AEPW	'RIVERSIDE STATION 138KV'	646	0.05177	-0.04023	404
AEPW	'AH-CC_ST18.0 138KV'	550	0.01249	AEPW	'RIVERSIDE STATION 138KV'	646	0.05177	-0.03928	413
AEPW	'2006-10 24.0 115KV'	620	0.01154	AEPW	'TULSA POWER STATION 138KV'	147	0.04949	-0.03795	428
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.01418	AEPW	'RIVERSIDE STATION 138KV'	646	0.05177	-0.03759	432
AEPW	'AEP-CT0613.8 161KV'	510	0.02894	AEPW	'COGENTRIX 345KV'	865	0.06593	-0.03699	439
AEPW	'AH-CC_ST18.0 138KV'	550	0.01249	AEPW	'TULSA POWER STATION 138KV'	147	0.04949	-0.037	439
AEPW	'EASTMAN 138KV'	330.01	0.01528	AEPW	'RIVERSIDE STATION 138KV'	646	0.05177	-0.03649	445
AEPW	'LEBROCK 345KV'	382	0.01529	AEPW	'RIVERSIDE STATION 138KV'	646	0.05177	-0.03648	445
AEPW	'2006-10 24.0 115KV'	620	0.01154	AEPW	'NORTHEASTERN STATION 345KV'	645	0.04743	-0.03589	453
AEPW	'AH-CC_ST18.0 138KV'	550	0.01249	AEPW	'NORTHEASTERN STATION 345KV'	645	0.04743	-0.03494	465
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.01418	AEPW	'NORTHEASTERN STATION 345KV'	645	0.04743	-0.03325	488
AEPW	'SOUTHWESTERN STATION 138KV'	168	0.03747	AEPW	'OEC 345KV'	456	0.07014	-0.03267	497
AEPW	'EASTMAN 138KV'	330.01	0.01528	AEPW	'NORTHEASTERN STATION 345KV'	645	0.04743	-0.03215	505
AEPW	'LEBROCK 345KV'	382	0.01529	AEPW	'NORTHEASTERN STATION 345KV'	645	0.04743	-0.03214	505

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

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

Reservation	Relief Amount	Aggregate Relief Amount
1158760	3.3	3.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COMANCHE 138KV'	160	0.01253	-0.10006	33
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COMANCHE 69KV'	63	0.01248	-0.10001	33
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'SOUTHWESTERN STATION 138KV'	272	0.01221	-0.09974	33
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WELSH 345KV'	990	0.01233	-0.09986	33
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.09917	34
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WELEETKA 138KV'	70	0.00967	-0.0972	34
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.09463	35
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.0964	35
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'FLINT CREEK 161KV'	420	0.00717	-0.0947	35
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.09565	35
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.09565	35
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00812	-0.09565	35
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'OEC 345KV'	356	0.00859	-0.09612	35
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'RIVERSIDE STATION 138KV'	646	0.00883	-0.09636	35
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'TULSA POWER STATION 138KV'	129	0.00875	-0.09628	35
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'TULSA POWER STATION 138KV'	75	0.00875	-0.09628	35
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'FITZHUGH 161KV'	30.99999	0.00385	-0.09138	37
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'LEBROCK 345KV'	365	-0.0088	-0.07873	42
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NARROWS 69KV'	22	-0.00825	-0.07928	42
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'PIRKEY GENERATION 138KV'	475	-0.01307	-0.07446	45
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'EASTMAN 138KV'	155	-0.01557	-0.07196	46
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'KNOXLEE 138KV'	225	-0.0156	-0.07193	46
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'COMANCHE 138KV'	160	0.01253	-0.07325	46
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'COMANCHE 69KV'	63	0.01248	-0.0732	46
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'SOUTHWESTERN STATION 138KV'	272	0.01221	-0.07293	46
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.07236	46
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'WELSH 345KV'	990	0.01233	-0.07305	46
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'WELEETKA 138KV'	70	0.00967	-0.07039	47
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WILKES 345KV'	311	-0.01733	-0.0702	48
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.06959	48
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.06884	48
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.06884	48
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00812	-0.06884	48
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'OEC 345KV'	356	0.00859	-0.06931	48
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'RIVERSIDE STATION 138KV'	646	0.00883	-0.06955	48
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'TULSA POWER STATION 138KV'	75	0.00875	-0.06947	48
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'TULSA POWER STATION 138KV'	129	0.00875	-0.06947	48
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.06782	49
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'FLINT CREEK 161KV'	420	0.00717	-0.06789	49
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'FITZHUGH 161KV'	30.99999	0.00385	-0.06457	52
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'LIEBERMAN 138KV'	73.99999	-0.02647	-0.06106	55
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'LEBROCK 345KV'	365	-0.0088	-0.05192	64
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'NARROWS 69KV'	22	-0.00825	-0.05247	64
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'PIRKEY GENERATION 138KV'	475	-0.01307	-0.04765	70
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'EASTMAN 138KV'	155	-0.01557	-0.04515	74
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'KNOXLEE 138KV'	225	-0.0156	-0.04512	74
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'WILKES 345KV'	311	-0.01733	-0.04339	77
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'COMANCHE 138KV'	160	0.01253	-0.039	86
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'COMANCHE 69KV'	63	0.01248	-0.03895	86
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'SOUTHWESTERN STATION 138KV'	272	0.01221	-0.03868	86
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'WELSH 345KV'	990	0.01233	-0.0388	86
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.03811	88
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'WELEETKA 138KV'	70	0.00967	-0.03614	92
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.03534	94
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'OEC 345KV'	356	0.00859	-0.03506	95
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'RIVERSIDE STATION 138KV'	646	0.00883	-0.0353	95
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'TULSA POWER STATION 138KV'	75	0.00875	-0.03522	95
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'TULSA POWER STATION 138KV'	129	0.00875	-0.03522	95
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COMANCHE 138KV'	160	0.01253	-0.03491	96
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COMANCHE 69KV'	63	0.01248	-0.03486	96
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'SOUTHWESTERN STATION 138KV'	272	0.01221	-0.03459	96
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'WELSH 345KV'	990	0.01233	-0.03471	96
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.03459	96
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.03459	96
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00812	-0.03459	96
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'LIEBERMAN 138KV'	73.99999	-0.02647	-0.03425	97
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.03402	98
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.03357	99
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'FLINT CREEK 161KV'	420	0.00717	-0.03364	99
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'COMANCHE 138KV'	160	0.01253	-0.03315	101
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'COMANCHE 69KV'	63	0.01248	-0.0331	101
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'WELSH 345KV'	990	0.01233	-0.03295	101
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'SOUTHWESTERN STATION 138KV'	272	0.01221	-0.03283	102
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.03226	103
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'WELEETKA 138KV'	70	0.00967	-0.03205	104

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

AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.03125	107
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'RIVERSIDE STATION 138KV'	646	0.00883	-0.03121	107
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'TULSA POWER STATION 138KV'	75	0.00875	-0.03113	107
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'TULSA POWER STATION 138KV'	129	0.00875	-0.03113	107
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'OEC 345KV'	356	0.00859	-0.03097	108
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.0305	109
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.0305	109
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00812	-0.0305	109
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'WELEETKA 138KV'	70	0.00967	-0.03029	110

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

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

Reservation	Relief Amount	Aggregate Relief Amount
1158760	0.5	0.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.0964	5
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COMANCHE 138KV'	160	0.01253	-0.10006	5
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COMANCHE 69KV'	63	0.01248	-0.10001	5
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.01221	-0.09974	5
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.09917	5
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WELSH 345KV'	960	0.01233	-0.09986	5
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.09463	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'FITZHUGH 161KV'	7.999987	0.00385	-0.09138	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'FLINT CREEK 161KV'	400	0.00717	-0.0947	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'L&D13 69KV'	11	0.00486	-0.09239	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.09565	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.09565	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 345KV'	608	0.00812	-0.09565	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'OEC 345KV'	356	0.00859	-0.09612	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'RIVERSIDE STATION 138KV'	422	0.00883	-0.09636	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'TULSA POWER STATION 138KV'	24	0.00875	-0.09628	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'TULSA POWER STATION 138KV'	38	0.00875	-0.09628	6
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'EASTMAN 138KV'	155	-0.01557	-0.07196	7
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'KNOXLEE 138KV'	100.1996	-0.0156	-0.07193	7
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'LEBROCK 345KV'	365	-0.0088	-0.07873	7
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NARROWS 69KV'	22	-0.00825	-0.07928	7
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'PIRKEY GENERATION 138KV'	440	-0.01307	-0.07446	7
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'COMANCHE 138KV'	160	0.01253	-0.07325	7
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'COMANCHE 69KV'	63	0.01248	-0.0732	7
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.01221	-0.07293	7
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.07236	7
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'WELSH 345KV'	960	0.01233	-0.07305	7
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WILKES 345KV'	129	-0.01733	-0.0702	8
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.06782	8
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.06959	8
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'FITZHUGH 161KV'	7.999987	0.00385	-0.06457	8
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'FLINT CREEK 161KV'	400	0.00717	-0.06789	8
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'L&D13 69KV'	11	0.00486	-0.06558	8
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.06884	8
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.06884	8
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'NORTHEASTERN STATION 345KV'	608	0.00812	-0.06884	8
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'OEC 345KV'	356	0.00859	-0.06931	8
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'RIVERSIDE STATION 138KV'	422	0.00883	-0.06955	8
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'TULSA POWER STATION 138KV'	38	0.00875	-0.06947	8
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'TULSA POWER STATION 138KV'	24	0.00875	-0.06947	8
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'LIEBERMAN 138KV'	4	-0.02647	-0.06106	9
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'LEBROCK 345KV'	365	-0.0088	-0.05192	10
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'NARROWS 69KV'	22	-0.00825	-0.05247	10
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'PIRKEY GENERATION 138KV'	440	-0.01307	-0.04765	11
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'EASTMAN 138KV'	155	-0.01557	-0.04515	12
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'KNOXLEE 138KV'	100.1996	-0.0156	-0.04512	12
AEPW	'WILKES 138KV'	384.8392	-0.06072	AEPW	'WILKES 345KV'	129	-0.01733	-0.04339	12
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'COMANCHE 138KV'	160	0.01253	-0.03996	13
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'COMANCHE 69KV'	63	0.01248	-0.03991	13
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.01221	-0.03964	13
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'WELSH 345KV'	960	0.01233	-0.03976	13
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'COMANCHE 138KV'	160	0.01253	-0.039	14
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'COMANCHE 69KV'	63	0.01248	-0.03895	14
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.01221	-0.03868	14
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.03811	14
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'WELSH 345KV'	960	0.01233	-0.0388	14
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.03907	14
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COMANCHE 138KV'	160	0.01253	-0.03491	15
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COMANCHE 69KV'	63	0.01248	-0.03486	15
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.01221	-0.03459	15
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'WELSH 345KV'	960	0.01233	-0.03471	15
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.03534	15
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.03459	15
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.03459	15
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'NORTHEASTERN STATION 345KV'	608	0.00812	-0.03459	15
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'OEC 345KV'	356	0.00859	-0.03506	15
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'RIVERSIDE STATION 138KV'	422	0.00883	-0.0353	15
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'TULSA POWER STATION 138KV'	38	0.00875	-0.03522	15
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'TULSA POWER STATION 138KV'	24	0.00875	-0.03522	15
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.03453	15
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.0363	15
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'FLINT CREEK 161KV'	400	0.00717	-0.0346	15
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.03555	15
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.03555	15
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'NORTHEASTERN STATION 345KV'	608	0.00812	-0.03555	15
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'OEC 345KV'	356	0.00859	-0.03602	15
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'RIVERSIDE STATION 138KV'	422	0.00883	-0.03626	15
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'TULSA POWER STATION 138KV'	38	0.00875	-0.03618	15
AEPW	'NORTH MARSHALL 69KV'	5	-0.02743	AEPW	'TULSA POWER STATION 138KV'	24	0.00875	-0.03618	15
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'COMANCHE 138KV'	160	0.01253	-0.03315	16
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'COMANCHE 69KV'	63	0.01248	-0.0331	16
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.01221	-0.03283	16
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.03226	16
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'WELSH 345KV'	960	0.01233	-0.03295	16
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.03402	16
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.03357	16
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'FLINT CREEK 161KV'	400	0.00717	-0.03364	16

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

AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.03125	17
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.0305	17
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.0305	17
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 345KV'	608	0.00812	-0.0305	17
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'OEC 345KV'	356	0.00859	-0.03097	17
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'RIVERSIDE STATION 138KV'	422	0.00883	-0.03121	17
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'TULSA POWER STATION 138KV'	38	0.00875	-0.03113	17
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'TULSA POWER STATION 138KV'	24	0.00875	-0.03113	17
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'FITZHUGH 161KV'	7.999987	0.00385	-0.03032	17
AEPW	'LIEBERMAN 138KV'	224	-0.02647	AEPW	'L&D13 69KV'	11	0.00486	-0.03133	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: ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1
Limiting Facility: ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1
Direction: To->From
Line Outage: SPP-AEPW-29
Flowgate: 53245533001SPP-AEPW-291107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1158760	5.2	5.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COMANCHE 138KV'	160	0.01253	-0.10006	52
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COMANCHE 69KV'	63	0.01248	-0.10001	52
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'SOUTHWESTERN STATION 138KV'	272	0.01221	-0.09974	52
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.09917	52
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WELSH 345KV'	990	0.01233	-0.09986	52
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WELEETKA 138KV'	70	0.00967	-0.0972	53
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.0964	54
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.09565	54
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.09565	54
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00812	-0.09565	54
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'OEC 345KV'	356	0.00859	-0.09612	54
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'RIVERSIDE STATION 138KV'	646	0.00883	-0.09636	54
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'TULSA POWER STATION 138KV'	75	0.00875	-0.09628	54
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'TULSA POWER STATION 138KV'	129	0.00875	-0.09628	54
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.09463	55
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'FLINT CREEK 161KV'	420	0.00717	-0.0947	55
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'FITZHUGH 161KV'	30.99999	0.00385	-0.09138	57
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'LEBROCK 345KV'	365	-0.0088	-0.07873	66
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'NARROWS 69KV'	22	-0.00825	-0.07928	66
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'PIRKEY GENERATION 138KV'	475	-0.01307	-0.07446	70
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'COMANCHE 138KV'	160	0.01253	-0.07325	71
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'COMANCHE 69KV'	63	0.01248	-0.0732	71
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'SOUTHWESTERN STATION 138KV'	272	0.01221	-0.07293	71
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'WELSH 345KV'	990	0.01233	-0.07305	71
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'EASTMAN 138KV'	155	-0.01557	-0.07196	72
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'KNOXLEE 138KV'	225	-0.0156	-0.07193	72
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.07236	72
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'WILKES 345KV'	311	-0.01733	-0.0702	74
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'WELEETKA 138KV'	70	0.00967	-0.07039	74
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.06959	75
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.06884	75
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.06884	75
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00812	-0.06884	75
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'OEC 345KV'	356	0.00859	-0.06931	75
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'RIVERSIDE STATION 138KV'	646	0.00883	-0.06955	75
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'TULSA POWER STATION 138KV'	129	0.00875	-0.06947	75
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'TULSA POWER STATION 138KV'	75	0.00875	-0.06947	75
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.06782	77
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'FLINT CREEK 161KV'	420	0.00717	-0.06789	77
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'FITZHUGH 161KV'	30.99999	0.00385	-0.06457	80
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08753	AEPW	'LIEBERMAN 138KV'	73.99999	-0.02647	-0.06106	85
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'LEBROCK 345KV'	365	-0.0088	-0.05192	100
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'PIRKEY GENERATION 138KV'	475	-0.01307	-0.04765	109
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'EASTMAN 138KV'	155	-0.01557	-0.04515	115
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'KNOXLEE 138KV'	225	-0.0156	-0.04512	115
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'WILKES 345KV'	311	-0.01733	-0.04339	120
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'COMANCHE 138KV'	160	0.01253	-0.039	133
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'COMANCHE 69KV'	63	0.01248	-0.03895	133
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'SOUTHWESTERN STATION 138KV'	272	0.01221	-0.03868	134
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'WELSH 345KV'	990	0.01233	-0.0388	134
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.03811	136
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'WELEETKA 138KV'	70	0.00967	-0.03614	144
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.03534	147
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'RIVERSIDE STATION 138KV'	646	0.00883	-0.0353	147
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'TULSA POWER STATION 138KV'	129	0.00875	-0.03522	147
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'TULSA POWER STATION 138KV'	75	0.00875	-0.03522	147
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'OEC 345KV'	356	0.00859	-0.03506	148
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COMANCHE 138KV'	160	0.01253	-0.03491	149
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COMANCHE 69KV'	63	0.01248	-0.03486	149
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'SOUTHWESTERN STATION 138KV'	272	0.01221	-0.03459	150
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'WELSH 345KV'	990	0.01233	-0.03471	150
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.03459	150
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.03459	150
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00812	-0.03459	150
AEPW	'WILKES 138KV'	132.3115	-0.06072	AEPW	'LIEBERMAN 138KV'	73.99999	-0.02647	-0.03425	152
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.03402	153
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'FLINT CREEK 161KV'	420	0.00717	-0.03364	154
AEPW	'LIEBERMAN 138KV'	154	-0.02647	AEPW	'AEP-CT0613.8 161KV'	160	0.0071	-0.03357	155
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'COMANCHE 138KV'	160	0.01253	-0.03315	157
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'COMANCHE 69KV'	63	0.01248	-0.0331	157
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'SOUTHWESTERN STATION 138KV'	272	0.01221	-0.03283	158
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'WELSH 345KV'	990	0.01233	-0.03295	158
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'WEATHERFORD 34KV'	148	0.01164	-0.03226	161
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'WELEETKA 138KV'	70	0.00967	-0.03205	162
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'COGENTRIX 345KV'	865	0.00887	-0.03125	166
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'RIVERSIDE STATION 138KV'	646	0.00883	-0.03121	166
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'TULSA POWER STATION 138KV'	129	0.00875	-0.03113	167
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'TULSA POWER STATION 138KV'	75	0.00875	-0.03113	167
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'OEC 345KV'	356	0.00859	-0.03097	168
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00812	-0.0305	170
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00812	-0.0305	170
AEPW	'ARSENAL HILL 69KV'	99	-0.02238	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00812	-0.0305	170
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02062	AEPW	'WELEETKA 138KV'	70	0.00967	-0.03029	171

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

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

Upgrade: ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1
Limiting Facility: ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1
Direction: To->From
Line Outage: SPP-AEPW-29
Flowgate: 53245533001SPP-AEPW-291108SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1158760	5.2	11.9
1158761	5.2	11.9
1161136	1.6	11.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'COMANCHE 138KV'	160	0.01253	-0.10024	119
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'COMANCHE 69KV'	63	0.01249	-0.1002	119
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.01224	-0.09995	119
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.01224	-0.09995	119
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'WELSH 345KV'	1044	0.01236	-0.10007	119
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'WEATHERFORD 34KV'	148	0.01167	-0.09938	120
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'SLEEPING BEAR 138KV'	80	0.01113	-0.09884	121
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'WELEETKA 138KV'	84	0.00969	-0.0974	122
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'COGENTRIX 345KV'	865	0.00889	-0.0966	123
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'RIVERSIDE STATION 138KV'	519	0.00884	-0.09655	123
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'TULSA POWER STATION 138KV'	77	0.00877	-0.09648	123
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'TULSA POWER STATION 138KV'	75	0.00877	-0.09648	123
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00814	-0.09585	124
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00814	-0.09585	124
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00814	-0.09585	124
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'OEC 345KV'	306	0.00861	-0.09632	124
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'AEP-CT0613.8 161KV'	320	0.00713	-0.09484	126
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'FLINT CREEK 161KV'	428	0.00719	-0.0949	126
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08771	AEPW	'FITZHUGH 161KV'	101	0.00386	-0.09157	130
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'COMANCHE 138KV'	160	0.01253	-0.07338	162
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'COMANCHE 69KV'	63	0.01249	-0.07334	162
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.01224	-0.07309	163
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.01224	-0.07309	163
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'WELSH 345KV'	1044	0.01236	-0.07321	163
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'WEATHERFORD 34KV'	148	0.01167	-0.07252	164
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'SLEEPING BEAR 138KV'	80	0.01113	-0.07198	165
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'WELEETKA 138KV'	84	0.00969	-0.07054	169
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'COGENTRIX 345KV'	865	0.00889	-0.06974	171
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'OEC 345KV'	306	0.00861	-0.06946	171
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'RIVERSIDE STATION 138KV'	519	0.00884	-0.06969	171
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'TULSA POWER STATION 138KV'	75	0.00877	-0.06962	171
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'TULSA POWER STATION 138KV'	77	0.00877	-0.06962	171
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00814	-0.06899	173
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00814	-0.06899	173
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00814	-0.06899	173
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'AEP-CT0613.8 161KV'	320	0.00713	-0.06798	175
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'FLINT CREEK 161KV'	428	0.00719	-0.06804	175
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'FITZHUGH 161KV'	101	0.00386	-0.06471	184
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'LEBROCK 345KV'	315	-0.00882	-0.05203	229
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'PIRKEY GENERATION 138KV'	490	-0.0131	-0.04775	249
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'EASTMAN 138KV'	155	-0.01561	-0.04524	263
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'KNOXLEE 138KV'	164	-0.01563	-0.04522	263
AEPW	'WILKES 138KV'	190.7478	-0.06085	AEPW	'WILKES 345KV'	311	-0.01737	-0.04348	274
AEPW	'LIEBERMAN 138KV'	154	-0.02653	AEPW	'COMANCHE 138KV'	160	0.01253	-0.03906	305
AEPW	'LIEBERMAN 138KV'	154	-0.02653	AEPW	'WELSH 345KV'	1044	0.01236	-0.03889	306
AEPW	'LIEBERMAN 138KV'	154	-0.02653	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.01224	-0.03877	307
AEPW	'LIEBERMAN 138KV'	154	-0.02653	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.01224	-0.03877	307
AEPW	'LIEBERMAN 138KV'	154	-0.02653	AEPW	'WEATHERFORD 34KV'	148	0.01167	-0.0382	312
AEPW	'LIEBERMAN 138KV'	154	-0.02653	AEPW	'COGENTRIX 345KV'	865	0.00889	-0.03542	336
AEPW	'LIEBERMAN 138KV'	154	-0.02653	AEPW	'RIVERSIDE STATION 138KV'	519	0.00884	-0.03537	337
AEPW	'LIEBERMAN 138KV'	154	-0.02653	AEPW	'OEC 345KV'	306	0.00861	-0.03514	339
AEPW	'LIEBERMAN 138KV'	154	-0.02653	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00814	-0.03467	344
AEPW	'LIEBERMAN 138KV'	154	-0.02653	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00814	-0.03467	344
AEPW	'LIEBERMAN 138KV'	154	-0.02653	AEPW	'FLINT CREEK 161KV'	428	0.00719	-0.03372	353
AEPW	'LIEBERMAN 138KV'	154	-0.02653	AEPW	'AEP-CT0613.8 161KV'	320	0.00713	-0.03366	354
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02066	AEPW	'COMANCHE 138KV'	160	0.01253	-0.03319	359
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02066	AEPW	'WELSH 345KV'	1044	0.01236	-0.03302	361
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02066	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.01224	-0.0329	362
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02066	AEPW	'SOUTHWESTERN STATION 138KV'	257	0.01224	-0.0329	362
AEPW	'AH-CC_ST18.0 138KV'	550	-0.02066	AEPW	'WEATHERFORD 34KV'	148	0.01167	-0.03233	368

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

Upgrade: CANEY CREEK 345/138 kV
Limiting Facility: GLASSES - RUSSETT 138KV CKT 1
Direction: To->From
Line Outage: BROWN - BROWN 138KV CKT 1
Flowgate: 5514755120155157528021421 1SP
Date Redispatch Needed: 6/1 - 10/1
Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1152679	16.3	22.1
1162223	0.5	22.1
1165215	2.6	22.1
1165218	2.7	22.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	230.9827	-0.04597	WFEC	'HUGO 138KV'	1048.223	0.00942	-0.05539	398
WFEC	'BLUCAN14 138 138KV'	151.2	-0.04024	WFEC	'HUGO 138KV'	1048.223	0.00942	-0.04966	444
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'WELSH 345KV'	1044	0.00364	-0.04308	512
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'WELSH 345KV'	1044	0.00364	-0.04308	512
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'EASTMAN 138KV'	355	0.00323	-0.04267	517
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'EASTMAN 138KV'	355	0.00323	-0.04267	517
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'LEBROCK 345KV'	365	0.00322	-0.04266	517
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'LEBROCK 345KV'	365	0.00322	-0.04266	517
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'PIRKEY GENERATION 138KV'	480	0.00321	-0.04265	517
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'PIRKEY GENERATION 138KV'	480	0.00321	-0.04265	517
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'2006-10 24.0 115KV'	609	0.00317	-0.04261	518
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'2006-10 24.0 115KV'	609	0.00317	-0.04261	518
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'AH-CC_ST18.0 138KV'	550	0.00288	-0.04232	521
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'AH-CC_ST18.0 138KV'	550	0.00288	-0.04232	521
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'AEP-CT0613.8 161KV'	320	-0.00084	-0.0386	571
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'AEP-CT0613.8 161KV'	320	-0.00084	-0.0386	571

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

AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'FLINT CREEK 161KV'	428	-0.0009	-0.03854	572
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'FLINT CREEK 161KV'	428	-0.0009	-0.03854	572
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'OEC 345KV'	269	-0.00086	-0.03858	572
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'OEC 345KV'	269	-0.00086	-0.03858	572
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'COGENTRIX 345KV'	200	-0.00095	-0.03849	573
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'COGENTRIX 345KV'	200	-0.00095	-0.03849	573
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.0011	-0.03834	575
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.0011	-0.03834	575
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'NORTHEASTERN STATION 138KV'	207	-0.00114	-0.0383	576
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'NORTHEASTERN STATION 138KV'	207	-0.00114	-0.0383	576

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

Upgrade: CANEY CREEK 345/138 kV
Limiting Facility: GLASSES - RUSSETT 138KV CKT 1
Direction: To->From
Line Outage: BROWN - EXPLORER TAP 138KV CKT 1
Flowgate: 5514755120155157551531421 1SP
Date Redispatch Needed: 6/1 - 10/1
Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1152679	12.9	17.5
1162223	0.4	17.5
1165215	2.1	17.5
1165218	2.2	17.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	230.9827	-0.04597	WFEC	'HUGO 138KV'	1048.223	0.00942	-0.05539	316
WFEC	'BLUCAN14 138 138KV'	151.2	-0.04024	WFEC	'HUGO 138KV'	1048.223	0.00942	-0.04966	352
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'WELSH 345KV'	1044	0.00364	-0.04308	406
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'WELSH 345KV'	1044	0.00364	-0.04308	406
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'EASTMAN 138KV'	355	0.00323	-0.04267	410
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'EASTMAN 138KV'	355	0.00323	-0.04267	410
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'LEBROCK 345KV'	365	0.00322	-0.04266	410
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'LEBROCK 345KV'	365	0.00322	-0.04266	410
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'PIRKEY GENERATION 138KV'	480	0.00321	-0.04265	410
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'PIRKEY GENERATION 138KV'	480	0.00321	-0.04265	410
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'2006-10 24.0 115KV'	609	0.00317	-0.04261	411
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'2006-10 24.0 115KV'	609	0.00317	-0.04261	411
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'AH-CC_ST18.0 138KV'	550	0.00288	-0.04232	414
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'AH-CC_ST18.0 138KV'	550	0.00288	-0.04232	414
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'AEP-CT0613.8 161KV'	320	-0.00084	-0.0386	453
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'AEP-CT0613.8 161KV'	320	-0.00084	-0.0386	453
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'FLINT CREEK 161KV'	428	-0.0009	-0.03854	454
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'FLINT CREEK 161KV'	428	-0.0009	-0.03854	454
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'OEC 345KV'	269	-0.00086	-0.03858	454
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'OEC 345KV'	269	-0.00086	-0.03858	454
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'COGENTRIX 345KV'	200	-0.00095	-0.03849	455
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'COGENTRIX 345KV'	200	-0.00095	-0.03849	455
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'NORTHEASTERN STATION 138KV'	207	-0.00114	-0.0383	457
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'NORTHEASTERN STATION 138KV'	207	-0.00114	-0.0383	457
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.03944	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.0011	-0.03834	457
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.03944	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.0011	-0.03834	457

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

Upgrade: CARLSBAD PLANT 115/69KV TRANSFORMERS
Limiting Facility: CARLSBAD PLANT 115/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: CARLSBAD PLANT 115/69KV TRANSFORMER CKT 2
Flowgate: 523095231015231052309222 07SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	2.0	4.0
1162675	1.9	4.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'CARLSBAD 69KV'	18	-1	SPS	'BLACKHAWK 115KV'	220	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'CAPROCK 115KV'	8.000044	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'CUNNINGHAM 115KV'	110	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'CUNNINGHAM 115KV'	71	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'CUNNINGHAM 230KV'	306	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'CZ 69KV'	39	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'HARRINGTON 230KV'	1066	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'HUBRCO2 69KV'	11	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'JONES 230KV'	486	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'LP-BRND2 69KV'	209.3184	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'MADOX 115KV'	183	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'MOORE COUNTY 115KV'	48	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'MUSTANG 115KV'	300	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'MUSTG5 118.0 230KV'	310	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'NICHOLS 115KV'	213	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'NICHOLS 230KV'	244	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'PLANTX 115KV'	253	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'PLANTX 230KV'	189	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'SAN JUAN 230KV'	12.00006	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'SIDRCH 69KV'	20	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'STEER WATER 115KV'	8.000044	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'TOLK 230KV'	1021.159	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'WILWIND 230KV'	16.00009	0	-1	4

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

Upgrade: CARLSBAD PLANT 115/69KV TRANSFORMERS
Limiting Facility: CARLSBAD PLANT 115/69KV TRANSFORMER CKT 2
Direction: From->To
Line Outage: CARLSBAD PLANT 115/69KV TRANSFORMER CKT 1
Flowgate: 523095231025231052309122 07SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	2.1	4.1

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

1162675	2.0	4.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'CARLSBAD 69KV'	18	-1	SPS	'BLACKHAWK 115KV'	220	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'CAPROCK 115KV'	8.000044	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'CUNNINGHAM 115KV'	71	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'CUNNINGHAM 115KV'	110	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'CUNNINGHAM 230KV'	306	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'CZ 69KV'	39	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'HARRINGTON 230KV'	1066	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'HUBRCO2 69KV'	11	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'JONES 230KV'	486	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'LP-BRND2 69KV'	209.3184	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'MADOX 115KV'	183	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'MOORE COUNTY 115KV'	48	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'MUSTANG 115KV'	300	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'MUSTG5 118.0 230KV'	310	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'NICHOLS 115KV'	213	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'NICHOLS 230KV'	244	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'PLANTX 115KV'	253	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'PLANTX 230KV'	189	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'SAN JUAN 230KV'	12.00006	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'SIDRCH 69KV'	20	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'STEER WATER 115KV'	8.000044	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'TOLK 230KV'	1021.159	0	-1	4
SPS	'CARLSBAD 69KV'	18	-1	SPS	'WILWIND 230KV'	16.00009	0	-1	4

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: FLINT CREEK - GENTRY REC 161KV CKT 1
Direction: From->To
Line Outage: FLINT CREEK - TONTITOWN 161KV CKT 1
Flowgate: 53139531871531395317013108SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	9.0	9.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.25635	35
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01919	-0.18747	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01919	-0.18747	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'COGENTRIX 345KV'	865	0.01468	-0.18296	49
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01614	-0.18442	49
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'OEC 345KV'	456	0.01391	-0.18219	49
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'RIVERSIDE STATION 138KV'	646	0.01519	-0.18347	49
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'TULSA POWER STATION 138KV'	75	0.01578	-0.18406	49
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'TULSA POWER STATION 138KV'	147	0.01578	-0.18406	49
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'FORT GIBSON 161KV'	42.4	0.01798	-0.18383	49
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01718	-0.18303	49
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'COMANCHE 138KV'	160	0.01057	-0.17885	50
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'COMANCHE 69KV'	63	0.01059	-0.17887	50
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'SLEEPING BEAR 138KV'	80	0.01092	-0.1792	50
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'SOUTHWESTERN STATION 138KV'	277.6001	0.01069	-0.17897	50
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.01069	-0.17897	50
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WEATHERFORD 34KV'	148	0.01064	-0.17892	50
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WELEETKA 138KV'	84	0.01257	-0.18085	50
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'DENISON 138KV'	59.59999	0.01018	-0.17603	51
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'EUFAULA 138KV'	51	0.01074	-0.17659	51
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'EUFAULA 161KV'	25.5	0.01074	-0.17659	51
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01234	-0.17819	51
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'EASTMAN 138KV'	155	0.00388	-0.17216	52
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'KNOXLEE 138KV'	265.3734	0.00384	-0.17212	52
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'LEBROCK 345KV'	315	0.00387	-0.17215	52
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'LIEBERMAN 138KV'	91	0.00348	-0.17176	52
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'NARROWS 69KV'	22	0.00504	-0.17332	52
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'PIRKEY GENERATION 138KV'	490	0.00386	-0.17214	52
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WELSH 345KV'	1044	0.00445	-0.17273	52
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WILKES 138KV'	357.7468	0.00404	-0.17232	52
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WILKES 345KV'	311	0.00395	-0.17223	52
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'BROKEN BOW 138KV'	93.6	0.00727	-0.17312	52
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00663	-0.17248	52
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'FITZHUGH 161KV'	126	0.00234	-0.17062	53
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'FULTON 115KV'	24.99999	0.00311	-0.17139	53
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.00178	-0.16763	54
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'OZARK 161KV'	98	0.00232	-0.16817	54
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'TRUMAN 161KV'	102	0.00182	-0.16767	54
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'JONESBORO 161KV'	43	-0.0033	-0.16255	55
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'MCCARTNEY 161KV'	342.4351	-0.00327	-0.16258	55
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'SIKESTON 161KV'	235	-0.00083	-0.16502	55
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'STOCKTON 161KV'	44.3	-0.00289	-0.16296	55
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'DARDANELLE 161KV'	105.2	-0.0037	-0.16215	56
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'GREERS FERRY 161KV'	93.6	-0.00616	-0.15969	56
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'JAMES RIVER 161KV'	159	-0.00387	-0.16198	56
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'JAMES RIVER 69KV'	233.6882	-0.0048	-0.16105	56
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'CARTHAGE 69KV'	32	-0.00742	-0.15843	57
AEPW	'AH-CC_ST18.0 138KV'	550	0.00339	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08468	106
AEPW	'ARSENAL HILL 69KV'	75	0.00339	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08468	106
AEPW	'LIEBERMAN 138KV'	137	0.00348	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08459	106
AEPW	'2006-10 24.0 115KV'	620	0.0037	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08437	107
AEPW	'EASTMAN 138KV'	330.01	0.00388	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08419	107
AEPW	'KNOXLEE 138KV'	97.62659	0.00384	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08423	107
AEPW	'KNOXLEE 138KV'	60	0.00384	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08423	107
AEPW	'LEBROCK 345KV'	382	0.00387	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.0842	107
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00411	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08396	107
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.00366	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08441	107
AEPW	'WILKES 138KV'	105.2532	0.00404	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08403	107
AEPW	'KIOWA 345KV'	1348	0.00982	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07825	115
AEPW	'SOUTHWESTERN STATION 138KV'	145.3999	0.01069	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07738	116
AEPW	'SOUTHWESTERN STATION 138KV'	168	0.01069	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07738	116
AEPW	'WELEETKA 138KV'	58	0.01257	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.0755	119
AEPW	'OEC 345KV'	754	0.01391	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07416	121
AEPW	'RIVERSIDE STATION 138KV'	76.00003	0.01519	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07288	124
AEPW	'RVRSIDEG13.8 138KV'	172	0.01519	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07288	124
AEPW	'TULSA POWER STATION 138KV'	72	0.01578	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07229	125
AEPW	'MID-CONTINENT 138KV'	142.11	0.02413	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.06394	141

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

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

Redispatch Amount = Relief Amount / Factor

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: FLINT CREEK - GENTRY REC 161KV CKT 1
Direction: From->To
Line Outage: LOWELL - TONTITOWN 161KV CKT 1
Flowgate: 5313953187153144531701230 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	7.5	7.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'FORT GIBSON 161KV'	42.4	0.01952	-0.19294	39
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01902	-0.19244	39
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'EUFAULA 138KV'	51	0.01323	-0.18665	40
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'EUFAULA 161KV'	25.5	0.01323	-0.18665	40
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'TENKILLER FERRY 161KV'	16	0.01473	-0.18815	40
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01473	-0.18815	40
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'BROKEN BOW 138KV'	93.6	0.00908	-0.1825	41
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'DENISON 138KV'	59.59999	0.01225	-0.18567	41
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00954	-0.18296	41
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'OZARK 161KV'	98	0.00488	-0.1783	42
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.00075	-0.17417	43
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'TRUMAN 161KV'	102	0.00029	-0.17371	43
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'DARDANELLE 161KV'	105.2	-0.00256	-0.17086	44
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'JONESBORO 161KV'	63	-0.00349	-0.16993	44
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'SIKESTON 161KV'	235	-0.00125	-0.17217	44
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'GREERS FERRY 161KV'	93.6	-0.00596	-0.16746	45
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'JAMES RIVER 161KV'	159	-0.00775	-0.16567	45
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'MCCARTNEY 161KV'	342.4351	-0.00692	-0.1665	45
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'STOCKTON 161KV'	44.3	-0.00564	-0.16778	45
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'CARTHAGE 69KV'	32	-0.01128	-0.16214	46
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'JAMES RIVER 69KV'	233.6244	-0.00867	-0.16475	46
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'NORFORK 161KV'	20	-0.02036	-0.15306	49
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'BULL SHOALS 161KV'	294	-0.02943	-0.14399	52
SWPA	'BEAVER 161KV'	23.70832	-0.17342	SWPA	'TABLE ROCK 161KV'	187.2	-0.04577	-0.12765	59
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.1145	66
AEPW	'AH-CC_ST18.0 138KV'	550	0.00461	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.06882	109
AEPW	'2006-10 24.0 115KV'	620	0.005	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.06843	110
AEPW	'EASTMAN 138KV'	330.01	0.00519	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.06824	110
AEPW	'KNOXLEE 138KV'	41.37219	0.00514	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.06829	110
AEPW	'KNOXLEE 138KV'	60	0.00514	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.06829	110
AEPW	'LEBROCK 345KV'	382	0.00518	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.06825	110
AEPW	'LIEBERMAN 138KV'	52	0.00472	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.06871	110
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.00493	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.0685	110
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00546	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.06797	111
AEPW	'KIOWA 345KV'	1348	0.01234	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.06109	123
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'NORTHEASTERN STATION 138KV'	95	0.0197	-0.06077	124
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'NORTHEASTERN STATION 138KV'	405	0.0197	-0.06077	124
AEPW	'SOUTHWESTERN STATION 138KV'	336	0.01259	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.06084	124
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'RIVERSIDE STATION 138KV'	722	0.01795	-0.05902	127
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'TULSA POWER STATION 138KV'	147	0.01834	-0.05941	127
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'TULSA POWER STATION 138KV'	147	0.01834	-0.05941	127
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'COGENTRIX 345KV'	865	0.01771	-0.05878	128
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01761	-0.05868	128
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'OEC 345KV'	369	0.01772	-0.05879	128
AEPW	'WELEETKA 138KV'	58	0.01485	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.05858	128
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'WELEETKA 138KV'	84	0.01485	-0.05592	135
AEPW	'OEC 345KV'	841	0.01772	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.05571	135
AEPW	'RVRSIDEG13.8 138KV'	172	0.01795	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.05548	136
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'COMANCHE 69KV'	63	0.0125	-0.05357	140
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'SOUTHWESTERN STATION 138KV'	422.8001	0.01259	-0.05366	140
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'COMANCHE 138KV'	160	0.01248	-0.05355	141
AEPW	'MID-CONTINENT 138KV'	142.11	0.02261	AEPW	'FLINT CREEK 161KV'	428	0.07343	-0.05082	148
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'WELSH 345KV'	1044	0.00587	-0.04694	160
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'WILKES 138KV'	441.7656	0.00539	-0.04646	162
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'WILKES 345KV'	311	0.00528	-0.04635	162
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'EASTMAN 138KV'	155	0.00519	-0.04626	163
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'KNOXLEE 138KV'	299.6278	0.00514	-0.04621	163
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'LEBROCK 345KV'	315	0.00518	-0.04625	163
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'PIRKEY GENERATION 138KV'	490	0.00516	-0.04623	163
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'FITZHUGH 161KV'	126	0.0049	-0.04597	164
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'LIEBERMAN 138KV'	176	0.00472	-0.04579	164
AEPW	'AEP-CT0613.8 161KV'	510	-0.04107	AEPW	'ARSENAL HILL 69KV'	90	0.00462	-0.04569	165

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: FLINT CREEK - GENTRY REC 161KV CKT 1
Direction: From->To
Line Outage: CHAMBER SPRINGS - TONTITOWN 161KV CKT 1
Flowgate: 5313953187153154531701330 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	0.3	0.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.17085	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'BROKEN BOW 138KV'	93.6	0.00795	-0.15853	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'BULL SHOALS 161KV'	294	-0.02551	-0.12507	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'CARTHAGE 69KV'	32	-0.00956	-0.14102	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.00076	-0.15134	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'DARDANELLE 161KV'	105.2	-0.00244	-0.14814	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'DENISON 138KV'	59.59999	0.01076	-0.16134	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'EUFAULA 138KV'	51	0.01132	-0.1619	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'EUFAULA 161KV'	25.5	0.01132	-0.1619	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'FORT GIBSON 161KV'	42.4	0.01701	-0.16759	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'GREERS FERRY 161KV'	93.6	-0.00525	-0.14533	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'JAMES RIVER 161KV'	159	-0.00651	-0.14407	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'JAMES RIVER 69KV'	233.7958	-0.00732	-0.14326	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'JONESBORO 161KV'	43	-0.00305	-0.14753	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'KENNETT 69KV'	7.5	-0.00192	-0.14866	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01676	-0.16734	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'MALDEN 69KV'	7	-0.00156	-0.14902	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'MCCARTNEY 161KV'	342.4351	-0.0058	-0.14478	2

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

SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'NORFORK 161KV'	20	-0.01764	-0.13294	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'OZARK 161KV'	98	0.00375	-0.15433	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'PARAGOULD 69KV'	5.5	-0.00256	-0.14802	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00784	-0.15842	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'SIKESTON 161KV'	235	-0.00106	-0.14952	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'STOCKTON 161KV'	44.3	-0.00471	-0.14587	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'TENKILLER FERRY 161KV'	16	0.01265	-0.16323	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'TRUMAN 161KV'	102	0.0004	-0.15098	2
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01265	-0.16323	2
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'ARSENAL HILL 69KV'	43.35522	0.00402	-0.11039	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'COGENTRIX 345KV'	1065	0.01562	-0.12199	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'COMANCHE 138KV'	160	0.011	-0.11737	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'COMANCHE 69KV'	63	0.01101	-0.11738	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'EASTMAN 138KV'	155	0.00452	-0.11089	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'FITZHUGH 161KV'	126	0.00377	-0.11014	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'FULTON 115KV'	24.99999	0.00374	-0.11011	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'KNOXLEE 138KV'	284	0.00448	-0.11085	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'L&D13 69KV'	11	0.00306	-0.10943	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'LEBROCK 345KV'	315	0.00451	-0.11088	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'LIEBERMAN 138KV'	159	0.00411	-0.11048	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'NARROWS 69KV'	22	0.00571	-0.11208	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01738	-0.12375	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01738	-0.12375	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01556	-0.12193	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'OEC 345KV'	469	0.01566	-0.12203	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'PIRKEY GENERATION 138KV'	490	0.0045	-0.11087	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'RIVERSIDE STATION 138KV'	722	0.01583	-0.1222	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'SOUTHWESTERN STATION 138KV'	362.6001	0.01109	-0.11746	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'TULSA POWER STATION 138KV'	147	0.01617	-0.12254	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'TULSA POWER STATION 138KV'	112	0.01617	-0.12254	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'WELEETKA 138KV'	84	0.01299	-0.11936	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'WELSH 345KV'	1044	0.00512	-0.11149	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'WILKES 138KV'	450.9559	0.0047	-0.11107	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.10637	AEPW	'WILKES 345KV'	311	0.0046	-0.11097	3
SWPA	'BEAVER 161KV'	22.78727	-0.15058	SWPA	'TABLE ROCK 161KV'	187.2	-0.03961	-0.11097	3
AEPW	'2006-10 24.0 115KV'	620	0.00434	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.06014	5
AEPW	'AH-CC ST18.0 138KV'	550	0.00401	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.06047	5
AEPW	'ARSENAL HILL 69KV'	46.64478	0.00402	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.06046	5
AEPW	'EASTMAN 138KV'	330.01	0.00452	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.05996	5
AEPW	'FULTON 115KV'	8	0.00374	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.06074	5
AEPW	'KNOXLEE 138KV'	79	0.00448	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.06	5
AEPW	'KNOXLEE 138KV'	60	0.00448	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.06	5
AEPW	'L&D13 69KV'	13	0.00306	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.06142	5
AEPW	'LEBROCK 345KV'	382	0.00451	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.05997	5
AEPW	'LIEBERMAN 138KV'	69	0.00411	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.06037	5
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00476	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.05972	5
AEPW	'NARROWS 69KV'	3	0.00571	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.05877	5
AEPW	'NORTH MARSHALL 69KV'	5	0.00443	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.06005	5
AEPW	'PIRKEY GENERATION 138KV'	25	0.0045	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.05998	5
SWPA	'TABLE ROCK 161KV'	32.8	-0.03961	SWPA	'FORT GIBSON 161KV'	42.4	0.01701	-0.05662	5
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.00429	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.06019	5
AEPW	'WILKES 138KV'	12.04413	0.0047	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.05978	5
AEPW	'KIOWA 345KV'	1348	0.01085	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.05363	6
AEPW	'OEC 345KV'	741	0.01566	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.04882	6
AEPW	'OMPA-PAWHUSKA NORTHEAST 138KV'	6.9	0.01453	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.04995	6
AEPW	'RVRSIDEG13.8 138KV'	172	0.01583	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.04865	6
AEPW	'SOUTHWESTERN STATION 138KV'	60.3999	0.01109	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.05339	6
AEPW	'SOUTHWESTERN STATION 138KV'	336	0.01109	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.05339	6
SWPA	'TABLE ROCK 161KV'	32.8	-0.03961	SWPA	'DENISON 138KV'	59.59999	0.01076	-0.05037	6
SWPA	'TABLE ROCK 161KV'	32.8	-0.03961	SWPA	'EUFAULA 138KV'	51	0.01132	-0.05093	6
SWPA	'TABLE ROCK 161KV'	32.8	-0.03961	SWPA	'EUFAULA 161KV'	25.5	0.01132	-0.05093	6
SWPA	'TABLE ROCK 161KV'	32.8	-0.03961	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01676	-0.05637	6
SWPA	'TABLE ROCK 161KV'	32.8	-0.03961	SWPA	'TENKILLER FERRY 161KV'	16	0.01265	-0.05226	6
SWPA	'TABLE ROCK 161KV'	32.8	-0.03961	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01265	-0.05226	6
AEPW	'TULSA POWER STATION 138KV'	35	0.01617	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.04831	6
AEPW	'TULSA POWER STATION 69KV'	24	0.01617	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.04831	6
AEPW	'TULSA POWER STATION 69KV'	33	0.01617	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.04831	6
AEPW	'TULSA POWER STATION 69KV'	23	0.01617	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.04831	6
AEPW	'WELEETKA 138KV'	58	0.01299	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.05149	6
SWPA	'BULL SHOALS 161KV'	51.2	-0.02551	SWPA	'FORT GIBSON 161KV'	42.4	0.01701	-0.04252	7
SWPA	'BULL SHOALS 161KV'	51.2	-0.02551	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01676	-0.04227	7
AEPW	'MID-CONTINENT 138KV'	142.11	0.01995	AEPW	'FLINT CREEK 161KV'	428	0.06448	-0.04453	7
SWPA	'TABLE ROCK 161KV'	32.8	-0.03961	SWPA	'BROKEN BOW 138KV'	93.6	0.00795	-0.04756	7
SWPA	'TABLE ROCK 161KV'	32.8	-0.03961	SWPA	'OZARK 161KV'	98	0.00375	-0.04336	7
SWPA	'TABLE ROCK 161KV'	32.8	-0.03961	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00784	-0.04745	7
SWPA	'BULL SHOALS 161KV'	51.2	-0.02551	SWPA	'EUFAULA 138KV'	51	0.01132	-0.03683	8
SWPA	'BULL SHOALS 161KV'	51.2	-0.02551	SWPA	'EUFAULA 161KV'	25.5	0.01132	-0.03683	8
SWPA	'BULL SHOALS 161KV'	51.2	-0.02551	SWPA	'TENKILLER FERRY 161KV'	16	0.01265	-0.03816	8
SWPA	'BULL SHOALS 161KV'	51.2	-0.02551	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01265	-0.03816	8
SWPA	'TABLE ROCK 161KV'	32.8	-0.03961	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.00076	-0.04037	8
SWPA	'TABLE ROCK 161KV'	32.8	-0.03961	SWPA	'DARDANELLE 161KV'	105.2	-0.00244	-0.03717	8
SWPA	'TABLE ROCK 161KV'	32.8	-0.03961	SWPA	'KENNETT 69KV'	7.5	-0.00192	-0.03769	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: Chamber Springs - Tontitown 345 kV
Limiting Facility: FLINT CREEK - GENTRY REC 161KV CKT 1
Direction: From->To
Line Outage: CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1
Flowgate: 5313953187153154531951230 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	8.5	8.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'FORT GIBSON 161KV'	42.4	0.01734	-0.1697	50
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01742	-0.16978	50
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.16798	51
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'DENISON 138KV'	59.59999	0.01116	-0.16352	52
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'EUFAULA 138KV'	51	0.01121	-0.16357	52
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'EUFAULA 161KV'	25.5	0.01121	-0.16357	52
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01262	-0.16498	52
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'BROKEN BOW 138KV'	93.6	0.00819	-0.16055	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00726	-0.15962	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.00092	-0.15328	55
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'OZARK 161KV'	98	0.00303	-0.15539	55
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'SIKESTON 161KV'	235	-0.00104	-0.15132	56
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TRUMAN 161KV'	102	0.00061	-0.15297	56
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'DARDANELLE 161KV'	105.2	-0.00281	-0.14955	57

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

SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JONESBORO 161KV'	63	-0.00311	-0.14925	57
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'GREERS FERRY 161KV'	93.6	-0.00543	-0.14693	58
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JAMES RIVER 161KV'	159	-0.00634	-0.14602	58
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'MCCARTNEY 161KV'	342.4351	-0.00562	-0.14674	58
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'STOCKTON 161KV'	44.3	-0.00452	-0.14784	58
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'CARTHAGE 69KV'	32	-0.00936	-0.143	59
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JAMES RIVER 69KV'	233.6244	-0.00715	-0.14521	59
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'BULL SHOALS 161KV'	294	-0.02576	-0.1266	67
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01804	-0.12011	71
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01804	-0.12011	71
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COGENTRIX 345KV'	865	0.01629	-0.11836	72
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01622	-0.11829	72
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'OEC 345KV'	369	0.01641	-0.11848	72
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'RIVERSIDE STATION 138KV'	722	0.01649	-0.11856	72
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'TULSA POWER STATION 138KV'	147	0.01684	-0.11891	72
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'TULSA POWER STATION 138KV'	147	0.01684	-0.11891	72
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WELEETKA 138KV'	84	0.01338	-0.11545	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COMANCHE 138KV'	160	0.01144	-0.11351	75
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COMANCHE 69KV'	63	0.01146	-0.11353	75
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'SOUTHWESTERN STATION 138KV'	422.8001	0.01154	-0.11361	75
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WELSH 345KV'	1044	0.00527	-0.10734	79
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'ARSENAL HILL 69KV'	90	0.00411	-0.10618	80
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'EASTMAN 138KV'	155	0.00464	-0.10671	80
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'KNOXLEE 138KV'	299.6278	0.0046	-0.10667	80
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'LEBROCK 345KV'	315	0.00463	-0.1067	80
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'LIEBERMAN 138KV'	176	0.00421	-0.10628	80
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'PIRKEY GENERATION 138KV'	490	0.00462	-0.10669	80
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WILKES 138KV'	441.7656	0.00482	-0.10689	80
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WILKES 345KV'	311	0.00472	-0.10679	80
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FITZHUGH 161KV'	126	0.00305	-0.10512	81
AEPW	'2006-10 24.0 115KV'	620	0.00444	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06147	138
AEPW	'AH-CC_ST18.0 138KV'	550	0.0041	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06181	138
AEPW	'LIEBERMAN 138KV'	52	0.00421	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.0617	138
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.0044	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06151	138
AEPW	'EASTMAN 138KV'	330.01	0.00464	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06127	139
AEPW	'KNOXLEE 138KV'	60	0.0046	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06131	139
AEPW	'LEBROCK 345KV'	382	0.00463	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06128	139
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00489	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06102	139
AEPW	'KIOWA 345KV'	1348	0.01129	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05462	156
AEPW	'SOUTHWESTERN STATION 138KV'	336	0.01154	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05437	156
AEPW	'WELEETKA 138KV'	58	0.01338	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05253	162
AEPW	'OEC 345KV'	841	0.01641	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.0495	172
AEPW	'RVRSIDEG13.8 138KV'	172	0.01649	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.04942	172
AEPW	'MID-CONTINENT 138KV'	142.11	0.02066	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.04525	188

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: FLINT CREEK - GENTRY REC 161KV CKT 1
Direction: From->To
Line Outage: FARMING5 161 - FARMINGTON AECC 161KV CKT 1
Flowgate: 5313953187153195531691230 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	7.8	7.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.16798	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'FORT GIBSON 161KV'	42.4	0.01734	-0.1697	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01742	-0.16978	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TENKILLER FERRY 161KV'	16	0.01262	-0.16498	47
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01262	-0.16498	47
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'DENISON 138KV'	59.59999	0.01116	-0.16352	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'EUFAULA 138KV'	51	0.01121	-0.16357	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'EUFAULA 161KV'	25.5	0.01121	-0.16357	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'BROKEN BOW 138KV'	93.6	0.00819	-0.16055	49
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00726	-0.15962	49
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'OZARK 161KV'	98	0.00303	-0.15539	50
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.00092	-0.15328	51
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TRUMAN 161KV'	102	0.00061	-0.15297	51
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'DARDANELLE 161KV'	105.2	-0.00281	-0.14955	52
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JONESBORO 161KV'	63	-0.00311	-0.14925	52
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'SIKESTON 161KV'	235	-0.00104	-0.15132	52
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'GREERS FERRY 161KV'	93.6	-0.00543	-0.14693	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JAMES RIVER 161KV'	159	-0.00634	-0.14602	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'MCCARTNEY 161KV'	342.4351	-0.00562	-0.14674	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'STOCKTON 161KV'	44.3	-0.00452	-0.14784	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JAMES RIVER 69KV'	233.6244	-0.00715	-0.14521	54
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'CARTHAGE 69KV'	32	-0.00936	-0.143	55
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'NORFORK 161KV'	20	-0.01782	-0.13454	58
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'BULL SHOALS 161KV'	294	-0.02576	-0.1266	62
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01804	-0.12011	65
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01804	-0.12011	65
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COGENTRIX 345KV'	865	0.01629	-0.11836	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01622	-0.11829	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'OEC 345KV'	369	0.01641	-0.11848	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'RIVERSIDE STATION 138KV'	722	0.01649	-0.11856	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'TULSA POWER STATION 138KV'	147	0.01684	-0.11891	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'TULSA POWER STATION 138KV'	147	0.01684	-0.11891	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WELEETKA 138KV'	84	0.01338	-0.11545	68
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COMANCHE 138KV'	160	0.01144	-0.11351	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COMANCHE 69KV'	63	0.01146	-0.11353	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'SOUTHWESTERN STATION 138KV'	422.8001	0.01154	-0.11361	69
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TABLE ROCK 161KV'	187.2	-0.03993	-0.11243	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'ARSENAL HILL 69KV'	90	0.00411	-0.10618	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'EASTMAN 138KV'	155	0.00464	-0.10671	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'KNOXLEE 138KV'	299.6278	0.0046	-0.10667	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'LEBROCK 345KV'	315	0.00463	-0.1067	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'LIEBERMAN 138KV'	176	0.00421	-0.10628	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'PIRKEY GENERATION 138KV'	490	0.00462	-0.10669	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WELSH 345KV'	1044	0.00527	-0.10734	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WILKES 138KV'	441.7656	0.00482	-0.10689	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WILKES 345KV'	311	0.00472	-0.10679	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FITZHUGH 161KV'	126	0.00305	-0.10512	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FULTON 115KV'	24.99999	0.0038	-0.10587	74
AEPW	'AH-CC_ST18.0 138KV'	550	0.0041	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06181	126
AEPW	'LIEBERMAN 138KV'	52	0.00421	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.0617	126
AEPW	'2006-10 24.0 115KV'	620	0.00444	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06147	127
AEPW	'EASTMAN 138KV'	330.01	0.00464	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06127	127

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

AEPW	'KNOXLEE 138KV'	60	0.0046	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06131	127
AEPW	'LEBROCK 345KV'	382	0.00463	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06128	127
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.0044	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06151	127
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00489	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06102	128
AEPW	'KIOWA 345KV'	1348	0.01129	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05462	143
AEPW	'SOUTHWESTERN STATION 138KV'	336	0.01154	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05437	143
AEPW	'WELEETKA 138KV'	58	0.01338	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05253	148
AEPW	'OEC 345KV'	841	0.01641	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.0495	157
AEPW	'RVRSIDEG13.8 138KV'	172	0.01649	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.04942	158
AEPW	'MID-CONTINENT 138KV'	142.11	0.02066	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.04525	172

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - TONTITOWN 161KV CKT 1
Direction: From->To
Line Outage: FLINT CREEK - TONTITOWN 161KV CKT 1
Flowgate: 5315453170153139531701230 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	5.6	5.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'COGENTRIX 345KV'	865	0.01698	-0.34665	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'FLINT CREEK 161KV'	428	0.01289	-0.34256	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01312	-0.34279	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01312	-0.34279	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01397	-0.34364	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'OEC 345KV'	369	0.01881	-0.34848	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'RIVERSIDE STATION 138KV'	722	0.01656	-0.34623	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'TULSA POWER STATION 138KV'	147	0.01639	-0.34606	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'TULSA POWER STATION 138KV'	147	0.01639	-0.34606	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'WELEETKA 138KV'	84	0.01292	-0.34259	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'ARSENAL HILL 69KV'	90	0.00487	-0.33454	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'COMANCHE 138KV'	160	0.01143	-0.3411	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'COMANCHE 69KV'	63	0.01143	-0.3411	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'EASTMAN 138KV'	155	0.00541	-0.33508	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'FITZHUGH 161KV'	126	0.00376	-0.33343	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'FULTON 115KV'	24.99999	0.00456	-0.33423	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'KNOXLEE 138KV'	299.6278	0.00536	-0.33503	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'L&D13 69KV'	11	-0.00104	-0.32863	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'LEBROCK 345KV'	315	0.0054	-0.33507	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'LIEBERMAN 138KV'	176	0.00497	-0.33464	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'NARROWS 69KV'	22	0.00659	-0.33626	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'PIRKEY GENERATION 138KV'	490	0.00538	-0.33505	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'SOUTHWESTERN STATION 138KV'	422.8001	0.01144	-0.34111	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'WELSH 345KV'	1044	0.00606	-0.33573	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'WILKES 138KV'	441.7656	0.00559	-0.33526	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32967	AEPW	'WILKES 345KV'	311	0.0055	-0.33517	17
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01526	-0.11778	48
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'FORT GIBSON 161KV'	42.4	0.01345	-0.11597	49
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'DENISON 138KV'	59.59999	0.01137	-0.11389	50
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'EUFAULA 138KV'	51	0.01032	-0.11284	50
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'EUFAULA 161KV'	25.5	0.01032	-0.11284	50
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01114	-0.11366	50
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'BROKEN BOW 138KV'	93.6	0.00874	-0.11126	51
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00719	-0.10971	51
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'OZARK 161KV'	98	0.00374	-0.10626	53
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'DARDANELLE 161KV'	105.2	-0.00073	-0.10179	55
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	-0.00086	-0.10166	56
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'JONESBORO 161KV'	63	-0.00225	-0.10027	56
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'SIKESTON 161KV'	235	-0.00129	-0.10123	56
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'TRUMAN 161KV'	102	-0.00178	-0.10074	56
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'GREERS FERRY 161KV'	93.6	-0.00319	-0.09933	57
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'STOCKTON 161KV'	44.3	-0.00691	-0.09561	59
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'JAMES RIVER 161KV'	159	-0.01006	-0.09246	61
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'JAMES RIVER 69KV'	233.6244	-0.01053	-0.09199	61
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'MCCARTNEY 161KV'	342.4351	-0.00926	-0.09326	61
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'CARTHAGE 69KV'	32	-0.0116	-0.09092	62
SWPA	'BEAVER 161KV'	23.70832	-0.10252	SWPA	'BULL SHOALS 161KV'	294	-0.01923	-0.08329	68

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - TONTITOWN 161KV CKT 1
Direction: From->To
Line Outage: FLINT CREEK - TONTITOWN 161KV CKT 1
Flowgate: 5315453170153139531701230 8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	6.7	6.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'COGENTRIX 345KV'	865	0.02151	-0.44096	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'FLINT CREEK 161KV'	400	0.01631	-0.43576	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01661	-0.43606	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'NORTHEASTERN STATION 138KV'	291.6	0.01661	-0.43606	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01769	-0.43714	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'OEC 345KV'	369	0.02384	-0.44329	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'RIVERSIDE STATION 138KV'	245	0.02098	-0.44043	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'COMANCHE 138KV'	160	0.01445	-0.4339	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'COMANCHE 69KV'	63	0.01445	-0.4339	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'EASTMAN 138KV'	155	0.00678	-0.42623	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'FITZHUGH 161KV'	126	0.00465	-0.4241	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'FULTON 115KV'	32.99999	0.00569	-0.42514	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'KNOXLEE 138KV'	164	0.00672	-0.42617	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'L&D13 69KV'	11	-0.00144	-0.41801	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'LEBROCK 345KV'	165	0.00677	-0.42622	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'LIEBERMAN 138KV'	73.99999	0.00622	-0.42567	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'PIRKEY GENERATION 138KV'	450	0.00675	-0.4262	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.01447	-0.43392	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'WELSH 345KV'	975.0001	0.0076	-0.42705	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'WILKES 138KV'	268.7691	0.00702	-0.42647	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.41945	AEPW	'WILKES 345KV'	311	0.0069	-0.42635	16

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

SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'KEYSTONE DAM 161KV'	53.07256	0.01933	-0.14986	45
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'DENISON 138KV'	53.07256	0.01437	-0.1449	46
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'FORT GIBSON 161KV'	37.96729	0.01702	-0.14755	46
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'EUFAULA 138KV'	45.51993	0.01303	-0.14356	47
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'EUFAULA 161KV'	22.75996	0.01302	-0.14355	47
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'TENKILLER FERRY 161KV'	16.33002	0.01407	-0.1446	47
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'WEBBERS FALLS 161KV'	34.90541	0.01407	-0.1446	47
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'BROKEN BOW 138KV'	83.2831	0.01102	-0.14155	48
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'ROBERT S. KERR 161KV'	95.53061	0.00903	-0.13956	48
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'OZARK 161KV'	87.26353	0.00463	-0.13516	50
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'CLARENCE CANNON DAM 69KV'	33.88693	-0.00108	-0.12945	52
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'DARDANELLE 161KV'	107.3699	-0.00108	-0.12945	52
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'SIKESTON 161KV'	235	-0.00165	-0.12888	52
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'TRUMAN 161KV'	91.03986	-0.00228	-0.12825	52
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'GREERS FERRY 161KV'	83.2831	-0.00424	-0.12629	53
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'JONESBORO 161KV'	63	-0.00306	-0.12747	53
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'STOCKTON 161KV'	39.39617	-0.00886	-0.12167	55
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'JAMES RIVER 69KV'	233.88	-0.01348	-0.11705	57
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'MCCARTNEY 161KV'	242.7618	-0.01185	-0.11868	57
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'NORFORK 161KV'	20.41252	-0.01742	-0.11311	59
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'BULL SHOALS 161KV'	261.2803	-0.02471	-0.10582	64
SWPA	'BEAVER 161KV'	34.88578	-0.13053	SWPA	'TABLE ROCK 161KV'	166.5662	-0.03885	-0.09168	73
SWPA	'TABLE ROCK 161KV'	53.43381	-0.03885	SWPA	'KEYSTONE DAM 161KV'	53.07256	0.01933	-0.05818	116
SWPA	'TABLE ROCK 161KV'	53.43381	-0.03885	SWPA	'DENISON 138KV'	53.07256	0.01437	-0.05322	126
SWPA	'TABLE ROCK 161KV'	53.43381	-0.03885	SWPA	'EUFAULA 138KV'	45.51993	0.01303	-0.05188	130
SWPA	'TABLE ROCK 161KV'	53.43381	-0.03885	SWPA	'BROKEN BOW 138KV'	83.2831	0.01102	-0.04987	135
SWPA	'TABLE ROCK 161KV'	53.43381	-0.03885	SWPA	'ROBERT S. KERR 161KV'	95.53061	0.00903	-0.04788	141
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02471	SWPA	'KEYSTONE DAM 161KV'	53.07256	0.01933	-0.04404	153
SWPA	'TABLE ROCK 161KV'	53.43381	-0.03885	SWPA	'OZARK 161KV'	87.26353	0.00463	-0.04348	155
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02471	SWPA	'BROKEN BOW 138KV'	83.2831	0.01102	-0.03573	188
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02471	SWPA	'ROBERT S. KERR 161KV'	95.53061	0.00903	-0.03374	199

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - TONTITOWN 161KV CKT 1
Direction: From->To
Line Outage: FLINT CREEK - TONTITOWN 161KV CKT 1
Flowgate: 5315453170153139531701330 7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	6.9	6.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'COGENTRIX 345KV'	1065	0.02336	-0.4696	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'COMANCHE 138KV'	160	0.01573	-0.46197	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'COMANCHE 69KV'	63	0.01572	-0.46196	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'EASTMAN 138KV'	155	0.0074	-0.45364	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'FITZHUGH 161KV'	75.99999	0.00524	-0.45148	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'FLINT CREEK 161KV'	400	0.01762	-0.46386	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'KNOXLEE 138KV'	103	0.00733	-0.45357	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'L&D13 69KV'	11	-0.00091	-0.44533	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'LEBROCK 345KV'	365	0.00738	-0.45362	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'LIEBERMAN 138KV'	73.99999	0.00679	-0.45303	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01801	-0.46425	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'NORTHEASTERN STATION 138KV'	207	0.01801	-0.46425	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'NORTHEASTERN STATION 345KV'	600	0.01919	-0.46543	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'OEC 345KV'	519	0.02588	-0.47212	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'PIRKEY GENERATION 138KV'	450	0.00736	-0.4536	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'RIVERSIDE STATION 138KV'	245	0.02278	-0.46902	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'SOUTHWESTERN STATION 138KV'	42.5	0.01572	-0.46196	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'WELSH 345KV'	975.0001	0.00829	-0.45453	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'WILKES 138KV'	146.0989	0.00765	-0.45389	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.44624	AEPW	'WILKES 345KV'	193.1788	0.00752	-0.45376	15
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'KEYSTONE DAM 161KV'	51.38572	0.02098	-0.16306	42
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'FORT GIBSON 161KV'	36.81969	0.01852	-0.1606	43
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'DENISON 138KV'	51.38572	0.01562	-0.1577	44
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'EUFAULA 138KV'	44.1027	0.01425	-0.15633	44
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'EUFAULA 161KV'	22.05135	0.01425	-0.15633	44
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'TENKILLER FERRY 161KV'	30.95281	0.01538	-0.15746	44
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'WEBBERS FALLS 161KV'	33.7851	0.01538	-0.15746	44
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'BROKEN BOW 138KV'	80.92239	0.012	-0.15408	45
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'ROBERT S. KERR 161KV'	93.06075	0.00998	-0.15206	45
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'OZARK 161KV'	67.57021	0.00522	-0.1473	47
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'DARDANELLE 161KV'	118.5513	-0.00107	-0.14101	49
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'JONESBORO 161KV'	61	-0.0032	-0.13888	49
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'SIKESTON 161KV'	235	-0.00183	-0.14025	49
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'TRUMAN 161KV'	88.20541	-0.00256	-0.13952	49
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'GREERS FERRY 161KV'	80.92239	-0.00452	-0.13756	50
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'STOCKTON 161KV'	38.23583	-0.0097	-0.13238	52
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'MCCARTNEY 161KV'	229.861	-0.01296	-0.12912	53
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'JAMES RIVER 69KV'	234.3355	-0.01474	-0.12734	54
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'NORFORK 161KV'	62.51255	-0.0187	-0.12338	56
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'BULL SHOALS 161KV'	253.6917	-0.02675	-0.11533	60
SWPA	'BEAVER 161KV'	38.52223	-0.14208	SWPA	'TABLE ROCK 161KV'	161.8448	-0.04231	-0.09977	69
SWPA	'TABLE ROCK 161KV'	58.15521	-0.04231	SWPA	'KEYSTONE DAM 161KV'	51.38572	0.02098	-0.06329	108
SWPA	'TABLE ROCK 161KV'	58.15521	-0.04231	SWPA	'DENISON 138KV'	51.38572	0.01562	-0.05793	119
SWPA	'TABLE ROCK 161KV'	58.15521	-0.04231	SWPA	'EUFAULA 138KV'	44.1027	0.01425	-0.05656	121
SWPA	'TABLE ROCK 161KV'	58.15521	-0.04231	SWPA	'BROKEN BOW 138KV'	80.92239	0.012	-0.05431	126
SWPA	'TABLE ROCK 161KV'	58.15521	-0.04231	SWPA	'ROBERT S. KERR 161KV'	93.06075	0.00998	-0.05229	131
SWPA	'BULL SHOALS 161KV'	91.50829	-0.02675	SWPA	'KEYSTONE DAM 161KV'	51.38572	0.02098	-0.04773	144
SWPA	'TABLE ROCK 161KV'	58.15521	-0.04231	SWPA	'OZARK 161KV'	67.57021	0.00522	-0.04753	144
SWPA	'TABLE ROCK 161KV'	58.15521	-0.04231	SWPA	'DARDANELLE 161KV'	118.5513	-0.00107	-0.04124	166
SWPA	'TABLE ROCK 161KV'	58.15521	-0.04231	SWPA	'SIKESTON 161KV'	235	-0.00183	-0.04048	170
SWPA	'TABLE ROCK 161KV'	58.15521	-0.04231	SWPA	'TRUMAN 161KV'	88.20541	-0.00256	-0.03975	173
SWPA	'BULL SHOALS 161KV'	91.50829	-0.02675	SWPA	'BROKEN BOW 138KV'	80.92239	0.012	-0.03875	177
SWPA	'BULL SHOALS 161KV'	91.50829	-0.02675	SWPA	'ROBERT S. KERR 161KV'	93.06075	0.00998	-0.03673	187

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - TONTITOWN 161KV CKT 1
Direction: From->To
Line Outage: CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1
Flowgate: 5315453170153154531951130 6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

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

Reservation	Relief Amount	Aggregate Relief Amount
1161666	5.7	5.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'COGENTRIX 345KV'	865	0.03785	-0.35902	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'COMANCHE 138KV'	160	0.02197	-0.34314	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'COMANCHE 69KV'	63	0.02191	-0.34308	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'OEC 345KV'	269	0.04085	-0.36202	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'RIVERSIDE STATION 138KV'	245	0.02893	-0.3501	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.02174	-0.34291	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'EASTMAN 138KV'	155	0.01147	-0.33264	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'FITZHUGH 161KV'	75.99999	0.00683	-0.328	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'KNOXLEE 138KV'	103	0.01138	-0.33255	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'LEBROCK 345KV'	365	0.01145	-0.33262	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'LIEBERMAN 138KV'	51.31567	0.0106	-0.33177	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01204	-0.33321	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'NORTHEASTERN STATION 138KV'	218	0.01204	-0.33321	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'NORTHEASTERN STATION 345KV'	600	0.0208	-0.34197	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'PIRKEY GENERATION 138KV'	450	0.01142	-0.33259	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'WELSH 345KV'	960	0.01277	-0.33394	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'WILKES 138KV'	154.3742	0.01185	-0.33302	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'WILKES 345KV'	191	0.01166	-0.33283	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'L&D13 69KV'	11	-0.00629	-0.31488	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.32117	AEPW	'FLINT CREEK 161KV'	400	-0.03865	-0.28252	20
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'DENISON 138KV'	50.42004	0.02183	-0.14476	39
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'KEYSTONE DAM 161KV'	50.42004	0.02035	-0.14328	39
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'BROKEN BOW 138KV'	79.14542	0.01724	-0.14017	40
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'EUFAULA 138KV'	43.18848	0.01536	-0.13829	41
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'EUFAULA 161KV'	21.59424	0.01535	-0.13828	41
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'FORT GIBSON 161KV'	36.1578	0.01411	-0.13704	41
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'TENKILLER FERRY 161KV'	30.1315	0.01523	-0.13816	41
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'WEBBERS FALLS 161KV'	33.14465	0.01523	-0.13816	41
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'ROBERT S. KERR 161KV'	90.79626	0.0113	-0.13423	42
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'OZARK 161KV'	66.2893	0.00682	-0.12975	44
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'DARDANELLE 161KV'	115.705	0.00222	-0.12515	45
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'JONESBORO 161KV'	60.4	-0.00321	-0.11972	47
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'SIKESTON 161KV'	235	-0.00264	-0.12029	47
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'GREERS FERRY 161KV'	79.14542	-0.00438	-0.11855	48
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'TRUMAN 161KV'	86.37697	-0.00676	-0.11617	49
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'STOCKTON 161KV'	37.36306	-0.01647	-0.10646	53
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'NORFORK 161KV'	61.0665	-0.01846	-0.10447	54
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'MCCARTNEY 161KV'	178	-0.02198	-0.10095	56
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'JAMES RIVER 69KV'	231.6304	-0.02404	-0.09889	57
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'BULL SHOALS 161KV'	248.2836	-0.02578	-0.09715	58
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'OEC 345KV'	269	0.04085	-0.0795	71
SWPA	'BEAVER 161KV'	38.94135	-0.12293	SWPA	'TABLE ROCK 161KV'	158.2908	-0.04408	-0.07885	72
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'COGENTRIX 345KV'	865	0.03785	-0.0765	74
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'RIVERSIDE STATION 138KV'	245	0.02893	-0.06758	84
SWPA	'TABLE ROCK 161KV'	61.70917	-0.04408	SWPA	'DENISON 138KV'	50.42004	0.02183	-0.06591	86
SWPA	'TABLE ROCK 161KV'	61.70917	-0.04408	SWPA	'KEYSTONE DAM 161KV'	50.42004	0.02035	-0.06443	88
SWPA	'TABLE ROCK 161KV'	61.70917	-0.04408	SWPA	'BROKEN BOW 138KV'	79.14542	0.01724	-0.06132	92
SWPA	'TABLE ROCK 161KV'	61.70917	-0.04408	SWPA	'EUFAULA 138KV'	43.18848	0.01536	-0.05944	95
SWPA	'TABLE ROCK 161KV'	61.70917	-0.04408	SWPA	'WEBBERS FALLS 161KV'	33.14465	0.01523	-0.05931	95
SWPA	'TABLE ROCK 161KV'	61.70917	-0.04408	SWPA	'FORT GIBSON 161KV'	36.1578	0.01411	-0.05819	97
SWPA	'TABLE ROCK 161KV'	61.70917	-0.04408	SWPA	'ROBERT S. KERR 161KV'	90.79626	0.0113	-0.05538	102
SWPA	'TABLE ROCK 161KV'	61.70917	-0.04408	SWPA	'OZARK 161KV'	66.2893	0.00682	-0.0509	111
SWPA	'BULL SHOALS 161KV'	96.91643	-0.02578	SWPA	'DENISON 138KV'	50.42004	0.02183	-0.04761	119
SWPA	'BULL SHOALS 161KV'	96.91643	-0.02578	SWPA	'KEYSTONE DAM 161KV'	50.42004	0.02035	-0.04613	122
SWPA	'TABLE ROCK 161KV'	61.70917	-0.04408	SWPA	'DARDANELLE 161KV'	115.705	0.00222	-0.0463	122
SWPA	'JAMES RIVER 161KV'	159	-0.0236	SWPA	'DENISON 138KV'	50.42004	0.02183	-0.04543	124
SWPA	'JAMES RIVER 161KV'	159	-0.0236	SWPA	'KEYSTONE DAM 161KV'	50.42004	0.02035	-0.04395	129
SWPA	'MCCARTNEY 161KV'	208	-0.02198	SWPA	'DENISON 138KV'	50.42004	0.02183	-0.04381	129
SWPA	'BULL SHOALS 161KV'	96.91643	-0.02578	SWPA	'BROKEN BOW 138KV'	79.14542	0.01724	-0.04302	131
SWPA	'MCCARTNEY 161KV'	208	-0.02198	SWPA	'KEYSTONE DAM 161KV'	50.42004	0.02035	-0.04233	133
SWPA	'TABLE ROCK 161KV'	61.70917	-0.04408	SWPA	'SIKESTON 161KV'	235	-0.00264	-0.04144	136
SWPA	'JAMES RIVER 161KV'	159	-0.0236	SWPA	'BROKEN BOW 138KV'	79.14542	0.01724	-0.04084	138
SWPA	'TABLE ROCK 161KV'	61.70917	-0.04408	SWPA	'JONESBORO 161KV'	60.4	-0.00321	-0.04087	138
AEPW	'MID-CONTINENT 138KV'	142.11	0.00018	AEPW	'OEC 345KV'	269	0.04085	-0.04067	139
SWPA	'TABLE ROCK 161KV'	61.70917	-0.04408	SWPA	'GREERS FERRY 161KV'	79.14542	-0.00438	-0.0397	142
SWPA	'MCCARTNEY 161KV'	208	-0.02198	SWPA	'BROKEN BOW 138KV'	79.14542	0.01724	-0.03922	144
AEPW	'MID-CONTINENT 138KV'	142.11	0.00018	AEPW	'COGENTRIX 345KV'	865	0.03785	-0.03767	150
SWPA	'TABLE ROCK 161KV'	61.70917	-0.04408	SWPA	'TRUMAN 161KV'	86.37697	-0.00676	-0.03732	151
SWPA	'BULL SHOALS 161KV'	96.91643	-0.02578	SWPA	'ROBERT S. KERR 161KV'	90.79626	0.0113	-0.03708	152
SWPA	'JAMES RIVER 161KV'	159	-0.0236	SWPA	'ROBERT S. KERR 161KV'	90.79626	0.0113	-0.0349	162
OKGE	'AES 161KV'	590	0.01121	OKGE	'MUSKOGEE 345KV'	1516	0.04518	-0.03397	166
AEPW	'FITZHUGH 161KV'	65	0.00683	AEPW	'OEC 345KV'	269	0.04085	-0.03402	166
SWPA	'MCCARTNEY 161KV'	208	-0.02198	SWPA	'ROBERT S. KERR 161KV'	90.79626	0.0113	-0.03328	170
SWPA	'BULL SHOALS 161KV'	96.91643	-0.02578	SWPA	'OZARK 161KV'	66.2893	0.00682	-0.0326	173
AEPW	'FITZHUGH 161KV'	65	0.00683	AEPW	'COGENTRIX 345KV'	865	0.03785	-0.03102	182
AEPW	'FULTON 115KV'	153	0.00974	AEPW	'OEC 345KV'	269	0.04085	-0.03111	182
EMDE	'LARUSSEL 161KV'	296	-0.02736	EMDE	'ELK RIVER 345KV'	68	0.00319	-0.03055	185
AEPW	'AH-CC_ST18.0 138KV'	550	0.01039	AEPW	'OEC 345KV'	269	0.04085	-0.03046	186
AEPW	'ARSENAL HILL 69KV'	99	0.0104	AEPW	'OEC 345KV'	269	0.04085	-0.03045	186
SWPA	'JAMES RIVER 161KV'	159	-0.0236	SWPA	'OZARK 161KV'	66.2893	0.00682	-0.03042	186
AEPW	'LIEBERMAN 138KV'	176.6843	0.0106	AEPW	'OEC 345KV'	269	0.04085	-0.03025	187

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - TONTITOWN 161KV CKT 1
Direction: From->To
Line Outage: CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1
Flowgate: 5315453170153154531951130 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
1161666	5.6	5.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'OEC 345KV'	269	0.04086	-0.36202	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'COGENTRIX 345KV'	965	0.03786	-0.35902	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'COMANCHE 138KV'	160	0.02198	-0.34314	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'COMANCHE 69KV'	63	0.02192	-0.34308	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'NORTHEASTERN STATION 345KV'	550	0.0208	-0.34196	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'RIVERSIDE STATION 138KV'	422	0.02894	-0.3501	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02174	-0.3429	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'TULSA POWER STATION 138KV'	38	0.02739	-0.34855	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'EASTMAN 138KV'	155	0.01147	-0.33263	17

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

AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'FITZHUGH 161KV'	87	0.00684	-0.328	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'KNOXLEE 138KV'	103	0.01138	-0.33254	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'LEBROCK 345KV'	365	0.01145	-0.33261	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'LIEBERMAN 138KV'	73.99999	0.0106	-0.33176	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'NORTHEASTERN STATION 138KV'	338	0.01205	-0.33321	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01205	-0.33321	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'PIRKEY GENERATION 138KV'	440	0.01142	-0.33258	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'WELSH 345KV'	1012	0.01277	-0.33393	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'WILKES 138KV'	143.5491	0.01185	-0.33301	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'WILKES 345KV'	268.8247	0.01167	-0.33283	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'L&D13 69KV'	11	-0.00629	-0.31487	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'FLINT CREEK 161KV'	400	-0.03865	-0.28251	20
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'DENISON 138KV'	50.28289	0.02184	-0.14477	38
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'KEYSTONE DAM 161KV'	50.28289	0.02036	-0.14329	39
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'BROKEN BOW 138KV'	78.93244	0.01725	-0.14018	40
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'EUFAULA 138KV'	43.07177	0.01536	-0.13829	40
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'EUFAULA 161KV'	21.53589	0.01535	-0.13828	40
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'TENKILLER FERRY 161KV'	30.20871	0.01523	-0.13816	40
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'WEBBERS FALLS 161KV'	33.13213	0.01523	-0.13816	40
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'FORT GIBSON 161KV'	35.86066	0.01412	-0.13705	41
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'ROBERT S. KERR 161KV'	90.82102	0.0113	-0.13423	41
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'OZARK 161KV'	66.26427	0.00682	-0.12975	43
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'DARDANELLE 161KV'	115.7676	0.00223	-0.12516	44
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'SIKESTON 161KV'	235	-0.00264	-0.12029	46
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'GREERS FERRY 161KV'	78.93244	-0.00438	-0.11855	47
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'TRUMAN 161KV'	86.14355	-0.00673	-0.1162	48
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'STOCKTON 161KV'	37.32237	-0.01646	-0.10647	52
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'NORFORK 161KV'	61.00211	-0.01846	-0.10447	53
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'MCCARTNEY 161KV'	209.8568	-0.02197	-0.10096	55
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'JAMES RIVER 69KV'	233.8717	-0.02403	-0.0989	56
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'BULL SHOALS 161KV'	247.9063	-0.02577	-0.09716	57
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'OEC 345KV'	269	0.04086	-0.07951	70
SWPA	'BEAVER 161KV'	35.58382	-0.12293	SWPA	'TABLE ROCK 161KV'	157.8649	-0.04407	-0.07886	71
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'COGENTRIX 345KV'	965	0.03786	-0.07651	73
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'RIVERSIDE STATION 138KV'	422	0.02894	-0.06759	82
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'TULSA POWER STATION 138KV'	38	0.02739	-0.06604	84
SWPA	'TABLE ROCK 161KV'	62.13512	-0.04407	SWPA	'DENISON 138KV'	50.28289	0.02184	-0.06591	84
SWPA	'TABLE ROCK 161KV'	62.13512	-0.04407	SWPA	'KEYSTONE DAM 161KV'	50.28289	0.02036	-0.06443	86
SWPA	'TABLE ROCK 161KV'	62.13512	-0.04407	SWPA	'BROKEN BOW 138KV'	78.93244	0.01725	-0.06132	91
SWPA	'TABLE ROCK 161KV'	62.13512	-0.04407	SWPA	'EUFAULA 138KV'	43.07177	0.01536	-0.05943	94
SWPA	'TABLE ROCK 161KV'	62.13512	-0.04407	SWPA	'WEBBERS FALLS 161KV'	33.13213	0.01523	-0.0593	94
SWPA	'TABLE ROCK 161KV'	62.13512	-0.04407	SWPA	'FORT GIBSON 161KV'	35.86066	0.01412	-0.05819	96
SWPA	'TABLE ROCK 161KV'	62.13512	-0.04407	SWPA	'ROBERT S. KERR 161KV'	90.82102	0.0113	-0.05537	101
SWPA	'TABLE ROCK 161KV'	62.13512	-0.04407	SWPA	'OZARK 161KV'	66.26427	0.00682	-0.05089	109
SWPA	'BULL SHOALS 161KV'	97.29366	-0.02577	SWPA	'DENISON 138KV'	50.28289	0.02184	-0.04761	117
SWPA	'TABLE ROCK 161KV'	62.13512	-0.04407	SWPA	'DARDANELLE 161KV'	115.7676	0.00223	-0.0463	120
SWPA	'BULL SHOALS 161KV'	97.29366	-0.02577	SWPA	'KEYSTONE DAM 161KV'	50.28289	0.02036	-0.04613	121
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'DENISON 138KV'	50.28289	0.02184	-0.04543	123
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'KEYSTONE DAM 161KV'	50.28289	0.02036	-0.04395	127
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'DENISON 138KV'	50.28289	0.02184	-0.04381	127
SWPA	'BULL SHOALS 161KV'	97.29366	-0.02577	SWPA	'BROKEN BOW 138KV'	78.93244	0.01725	-0.04302	129
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'KEYSTONE DAM 161KV'	50.28289	0.02036	-0.04233	132
SWPA	'TABLE ROCK 161KV'	62.13512	-0.04407	SWPA	'SIKESTON 161KV'	235	-0.00264	-0.04143	134
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'BROKEN BOW 138KV'	78.93244	0.01725	-0.04084	136
AEPW	'MID-CONTINENT 138KV'	142.11	0.00019	AEPW	'OEC 345KV'	269	0.04086	-0.04067	137
SWPA	'TABLE ROCK 161KV'	62.13512	-0.04407	SWPA	'GREERS FERRY 161KV'	78.93244	-0.00438	-0.03969	140
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'BROKEN BOW 138KV'	78.93244	0.01725	-0.03922	142
AEPW	'MID-CONTINENT 138KV'	142.11	0.00019	AEPW	'COGENTRIX 345KV'	965	0.03786	-0.03767	148
SWPA	'TABLE ROCK 161KV'	62.13512	-0.04407	SWPA	'TRUMAN 161KV'	86.14355	-0.00673	-0.03734	149
SWPA	'BULL SHOALS 161KV'	97.29366	-0.02577	SWPA	'ROBERT S. KERR 161KV'	90.82102	0.0113	-0.03707	150
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'ROBERT S. KERR 161KV'	90.82102	0.0113	-0.03489	160
OKGE	'AES 161KV'	620	0.01122	OKGE	'MUSKOGEE 345KV'	1516	0.04518	-0.03396	164
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'ROBERT S. KERR 161KV'	90.82102	0.0113	-0.03327	167
SWPA	'BULL SHOALS 161KV'	97.29366	-0.02577	SWPA	'OZARK 161KV'	66.26427	0.00682	-0.03259	171
AEPW	'FULTON 115KV'	153	0.00974	AEPW	'OEC 345KV'	269	0.04086	-0.03112	179
EMDE	'LARUSSEL 161KV'	296	-0.02735	EMDE	'ELK RIVER 345KV'	80	0.0032	-0.03055	182
AEPW	'AH-CC_ST18.0 138KV'	550	0.01039	AEPW	'OEC 345KV'	269	0.04086	-0.03047	183
AEPW	'ARSENAL HILL 69KV'	99	0.0104	AEPW	'OEC 345KV'	269	0.04086	-0.03046	183
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'OZARK 161KV'	66.26427	0.00682	-0.03041	183
AEPW	'LIEBERMAN 138KV'	154	0.0106	AEPW	'OEC 345KV'	269	0.04086	-0.03026	184

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - TONTITOWN 161KV CKT 1
Direction: From->To
Line Outage: CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1
Flowgate: 5315453170153154531951230 7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	7.5	7.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'COGENTRIX 345KV'	865	0.02818	-0.36821	20
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'OEC 345KV'	419	0.0326	-0.37263	20
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'RIVERSIDE STATION 138KV'	245	0.02698	-0.36701	20
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'COMANCHE 138KV'	160	0.01856	-0.35859	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'COMANCHE 69KV'	63	0.01853	-0.35856	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'EASTMAN 138KV'	155	0.0092	-0.34923	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'KNOXLEE 138KV'	103	0.00913	-0.34916	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'LEBROCK 345KV'	365	0.00918	-0.34921	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'LIEBERMAN 138KV'	73.99999	0.00847	-0.3485	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01737	-0.3574	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'NORTHEASTERN STATION 138KV'	263.5	0.01737	-0.3574	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'NORTHEASTERN STATION 345KV'	600	0.02095	-0.36098	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'PIRKEY GENERATION 138KV'	450	0.00916	-0.34919	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.01847	-0.3585	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'WELSH 345KV'	975.0001	0.01028	-0.35031	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'WILKES 138KV'	180.544	0.00951	-0.34954	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'WILKES 345KV'	253	0.00936	-0.34939	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'FITZHUGH 161KV'	75.99999	0.00547	-0.3455	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'L&D13 69KV'	11	-0.00664	-0.33339	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.34003	AEPW	'FLINT CREEK 161KV'	400	-0.02212	-0.31791	23
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'KEYSTONE DAM 161KV'	51.38572	0.02306	-0.14636	51
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'DENISON 138KV'	51.38572	0.01854	-0.14184	53
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'FORT GIBSON 161KV'	36.81969	0.01834	-0.14164	53
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'BROKEN BOW 138KV'	80.92239	0.01447	-0.13777	54
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'EUFAULA 138KV'	44.1027	0.01533	-0.13863	54
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'EUFAULA 161KV'	22.05135	0.01532	-0.13862	54

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

SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'TENKILLER FERRY 161KV'	30.95281	0.01622	-0.13952	54
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'WEBBERS FALLS 161KV'	33.7851	0.01622	-0.13952	54
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'ROBERT S. KERR 161KV'	93.06075	0.01044	-0.13374	56
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'OZARK 161KV'	67.57021	0.00545	-0.12875	58
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'DARDANELLE 161KV'	118.5513	-0.00008	-0.12322	61
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'GREERS FERRY 161KV'	80.92239	-0.00362	-0.11968	62
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'JONESBORO 161KV'	81	-0.00308	-0.12022	62
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'SIKESTON 161KV'	235	-0.00231	-0.12099	62
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'TRUMAN 161KV'	88.20541	-0.00465	-0.11865	63
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'STOCKTON 161KV'	38.23583	-0.01284	-0.11046	68
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'MCCARTNEY 161KV'	229.861	-0.01762	-0.10568	71
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'NORFORK 161KV'	62.51255	-0.01799	-0.10531	71
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'JAMES RIVER 69KV'	234.0597	-0.01945	-0.10385	72
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'BULL SHOALS 161KV'	253.6917	-0.02551	-0.09779	76
SWPA	'BEAVER 161KV'	39.11047	-0.1233	SWPA	'TABLE ROCK 161KV'	161.8448	-0.0409	-0.0824	91
SWPA	'TABLE ROCK 161KV'	58.15521	-0.0409	SWPA	'KEYSTONE DAM 161KV'	51.38572	0.02306	-0.06396	117
SWPA	'TABLE ROCK 161KV'	58.15521	-0.0409	SWPA	'DENISON 138KV'	51.38572	0.01854	-0.05944	126
SWPA	'TABLE ROCK 161KV'	58.15521	-0.0409	SWPA	'BROKEN BOW 138KV'	80.92239	0.01447	-0.05537	135
SWPA	'TABLE ROCK 161KV'	58.15521	-0.0409	SWPA	'ROBERT S. KERR 161KV'	93.06075	0.01044	-0.05134	145
SWPA	'BULL SHOALS 161KV'	91.50829	-0.02551	SWPA	'KEYSTONE DAM 161KV'	51.38572	0.02306	-0.04857	154
SWPA	'TABLE ROCK 161KV'	58.15521	-0.0409	SWPA	'OZARK 161KV'	67.57021	0.00545	-0.04635	161
SWPA	'BULL SHOALS 161KV'	91.50829	-0.02551	SWPA	'BROKEN BOW 138KV'	80.92239	0.01447	-0.03998	187
SWPA	'BULL SHOALS 161KV'	91.50829	-0.02551	SWPA	'ROBERT S. KERR 161KV'	93.06075	0.01044	-0.03595	208
SWPA	'JAMES RIVER 161KV'	159	-0.01898	SWPA	'BROKEN BOW 138KV'	80.92239	0.01447	-0.03345	223
SWPA	'MCCARTNEY 161KV'	156.139	-0.01762	SWPA	'BROKEN BOW 138KV'	80.92239	0.01447	-0.03209	233

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - TONTITOWN 161KV CKT 1
Direction: From->To
Line Outage: CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1
Flowgate: 5315453170153154531951230 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	6.3	6.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'COGENTRIX 345KV'	865	0.02217	-0.28896	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'COMANCHE 138KV'	160	0.0146	-0.28139	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'COMANCHE 69KV'	63	0.01459	-0.28138	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01649	-0.28328	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'OEC 345KV'	369	0.02563	-0.29242	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'RIVERSIDE STATION 138KV'	722	0.02123	-0.28802	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'SOUTHWESTERN STATION 138KV'	422.8001	0.01457	-0.28136	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'TULSA POWER STATION 138KV'	147	0.02069	-0.28748	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'TULSA POWER STATION 138KV'	147	0.02069	-0.28748	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'WELEETKA 138KV'	84	0.01612	-0.28291	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'ARSENAL HILL 69KV'	90	0.00664	-0.27343	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'EASTMAN 138KV'	155	0.00734	-0.27413	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'FITZHUGH 161KV'	126	0.00456	-0.27135	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'FULTON 115KV'	24.99999	0.00624	-0.27303	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'KNOXLEE 138KV'	299.6278	0.00728	-0.27407	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'LEBROCK 345KV'	315	0.00732	-0.27411	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'LIEBERMAN 138KV'	176	0.00677	-0.27356	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'NARROWS 69KV'	22	0.00881	-0.2756	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01369	-0.28048	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01369	-0.28048	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'PIRKEY GENERATION 138KV'	490	0.0073	-0.27409	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'WELSH 345KV'	1044	0.00818	-0.27497	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'WILKES 138KV'	441.7656	0.00758	-0.27437	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'WILKES 345KV'	311	0.00746	-0.27425	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'L&D13 69KV'	11	-0.00454	-0.26225	24
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'FLINT CREEK 161KV'	428	-0.01736	-0.24943	25
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01816	-0.11488	55
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'DENISON 138KV'	59.59999	0.01463	-0.11135	57
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'FORT GIBSON 161KV'	42.4	0.0145	-0.11122	57
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'BROKEN BOW 138KV'	93.6	0.01146	-0.10818	58
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'EUFAULA 138KV'	51	0.0122	-0.10892	58
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'EUFAULA 161KV'	25.5	0.0122	-0.10892	58
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'WEBBERS FALLS 161KV'	39.2	0.0129	-0.10962	58
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00844	-0.10516	60
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'OZARK 161KV'	98	0.00455	-0.10127	62
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'DARDANELLE 161KV'	105.2	0.00015	-0.09687	65
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'SIKESTON 161KV'	235	-0.00175	-0.09497	66
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	-0.0021	-0.09462	67
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'GREERS FERRY 161KV'	93.6	-0.00267	-0.09405	67
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'JONESBORO 161KV'	63	-0.0023	-0.09442	67
SWPA	'BEAVER 161KV'	23.70832	-0.09672	SWPA	'TRUMAN 161KV'	102	-0.00361	-0.09311	68

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - TONTITOWN 161KV CKT 1
Direction: From->To
Line Outage: CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1
Flowgate: 5315453170153154531951230 8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	7.6	7.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'OEC 345KV'	369	0.03254	-0.37303	20
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'COGENTRIX 345KV'	865	0.02812	-0.36861	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'COMANCHE 138KV'	160	0.01847	-0.35896	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'COMANCHE 69KV'	63	0.01846	-0.35895	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'NORTHEASTERN STATION 138KV'	291.6	0.01731	-0.3578	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01731	-0.3578	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'NORTHEASTERN STATION 345KV'	600	0.02089	-0.36138	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'RIVERSIDE STATION 138KV'	245	0.02692	-0.36741	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.01843	-0.35892	21
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'EASTMAN 138KV'	155	0.00918	-0.34967	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'FITZHUGH 161KV'	126	0.00559	-0.34608	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'FULTON 115KV'	32.99999	0.00776	-0.34825	22

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

AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'KNOXLEE 138KV'	164	0.00911	-0.3496	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'LEBROCK 345KV'	165	0.00917	-0.34966	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'LIEBERMAN 138KV'	73.99999	0.00846	-0.34895	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'PIRKEY GENERATION 138KV'	450	0.00914	-0.34963	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'WELSH 345KV'	975.0001	0.01026	-0.35075	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'WILKES 138KV'	268.7691	0.00949	-0.34998	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'WILKES 345KV'	311	0.00934	-0.34983	22
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'L&D13 69KV'	11	-0.00601	-0.33448	23
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'FLINT CREEK 161KV'	400	-0.0223	-0.31819	24
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'KEYSTONE DAM 161KV'	53.07256	0.023	-0.14656	52
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'DENISON 138KV'	53.07256	0.0185	-0.14206	53
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'FORT GIBSON 161KV'	37.96729	0.01833	-0.14189	53
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'WEBBERS FALLS 161KV'	34.90541	0.01627	-0.13983	54
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'BROKEN BOW 138KV'	83.2831	0.01444	-0.138	55
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'EUFAULA 138KV'	45.51993	0.01538	-0.13894	55
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'EUFAULA 161KV'	22.75996	0.01538	-0.13894	55
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'ROBERT S. KERR 161KV'	95.53061	0.01056	-0.13412	56
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'OZARK 161KV'	87.26353	0.00557	-0.12913	59
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'DARDANELLE 161KV'	107.3699	-0.00006	-0.1235	61
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'SIKESTON 161KV'	235	-0.00229	-0.12127	62
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'CLARENCE CANNON DAM 69KV'	33.88693	-0.0027	-0.12086	63
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'GREERS FERRY 161KV'	83.2831	-0.00367	-0.11989	63
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'JONESBORO 161KV'	63	-0.0032	-0.12036	63
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'TRUMAN 161KV'	91.03986	-0.00465	-0.11891	64
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'STOCKTON 161KV'	39.39617	-0.0129	-0.11066	68
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'MCCARTNEY 161KV'	242.7618	-0.01769	-0.10587	72
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'JAMES RIVER 69KV'	233.88	-0.01953	-0.10403	73
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'BULL SHOALS 161KV'	261.2803	-0.02571	-0.09785	77
SWPA	'BEAVER 161KV'	34.88578	-0.12356	SWPA	'TABLE ROCK 161KV'	166.5662	-0.04102	-0.08254	92
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'KEYSTONE DAM 161KV'	53.07256	0.023	-0.06402	118
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'DENISON 138KV'	53.07256	0.0185	-0.05952	127
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'EUFAULA 138KV'	45.51993	0.01538	-0.0564	134
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'BROKEN BOW 138KV'	83.2831	0.01444	-0.05546	137
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'ROBERT S. KERR 161KV'	95.53061	0.01056	-0.05158	147
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02571	SWPA	'KEYSTONE DAM 161KV'	53.07256	0.023	-0.04871	155
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02571	SWPA	'BROKEN BOW 138KV'	83.2831	0.01444	-0.04015	189
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02571	SWPA	'ROBERT S. KERR 161KV'	95.53061	0.01056	-0.03627	209
SWPA	'JAMES RIVER 161KV'	159	-0.01906	SWPA	'BROKEN BOW 138KV'	83.2831	0.01444	-0.0335	226
SWPA	'MCCARTNEY 161KV'	143.2382	-0.01769	SWPA	'BROKEN BOW 138KV'	83.2831	0.01444	-0.03213	236
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02571	SWPA	'OZARK 161KV'	87.26353	0.00557	-0.03128	242

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - TONTITOWN 161KV CKT 1
Direction: From->To
Line Outage: FARMING5 161 - SOUTH FAYETTEVILLE 161KV CKT 1
Flowgate: 5315453170153169535157122 08SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	4.5	4.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'COGENTRIX 345KV'	304	0.02217	-0.28896	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'COMANCHE 138KV'	160	0.0146	-0.28139	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'COMANCHE 69KV'	63	0.01459	-0.28138	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'NARROWS 69KV'	22	0.00881	-0.2756	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01369	-0.28048	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01369	-0.28048	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01649	-0.28328	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'OEC 345KV'	369	0.02563	-0.29242	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'RIVERSIDE STATION 138KV'	646	0.02123	-0.28802	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'SOUTHWESTERN STATION 138KV'	258.6001	0.01457	-0.28136	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'TULSA POWER STATION 138KV'	75	0.02069	-0.28748	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'TULSA POWER STATION 138KV'	111	0.02069	-0.28748	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'WELEETKA 138KV'	84	0.01612	-0.28291	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'ARSENAL HILL 69KV'	15	0.00664	-0.27343	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'EASTMAN 138KV'	355	0.00734	-0.27413	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'FITZHUGH 161KV'	126	0.00456	-0.27135	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'FULTON 115KV'	24.99999	0.00624	-0.27303	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'KNOXLEE 138KV'	225	0.00728	-0.27407	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'L&D13 69KV'	11	-0.00454	-0.26225	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'LEBROCK 345KV'	465	0.00732	-0.27411	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'LIEBERMAN 138KV'	75.3452	0.00677	-0.27356	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'PIRKEY GENERATION 138KV'	490	0.0073	-0.27409	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'WELSH 345KV'	1044	0.00818	-0.27497	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'WILKES 138KV'	359.5061	0.00758	-0.27437	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'WILKES 345KV'	311	0.00746	-0.27425	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.26679	AEPW	'FLINT CREEK 161KV'	428	-0.01736	-0.24943	18
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01816	-0.11488	40
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'DENISON 138KV'	59.59999	0.01463	-0.11135	41
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'FORT GIBSON 161KV'	42.4	0.0145	-0.11122	41
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'TENKILLER FERRY 161KV'	16	0.0129	-0.10962	41
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'WEBBERS FALLS 161KV'	39.2	0.0129	-0.10962	41
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'BROKEN BOW 138KV'	93.6	0.01146	-0.10818	42
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'EUFAULA 138KV'	51	0.0122	-0.10892	42
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'EUFAULA 161KV'	25.5	0.0122	-0.10892	42
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00844	-0.10516	43
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'OZARK 161KV'	98	0.00455	-0.10127	45
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'DARDANELLE 161KV'	105.2	0.00015	-0.09687	47
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	-0.0021	-0.09462	48
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'GREERS FERRY 161KV'	93.6	-0.00267	-0.09405	48
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'JONESBORO 161KV'	63	-0.0023	-0.09442	48
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'SIKESTON 161KV'	235	-0.00175	-0.09497	48
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'TRUMAN 161KV'	102	-0.00361	-0.09311	49
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'STOCKTON 161KV'	44.3	-0.01003	-0.08669	52
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'JAMES RIVER 161KV'	159	-0.01484	-0.08188	55
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'MCCARTNEY 161KV'	342.4351	-0.01376	-0.08296	55
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'NORFORK 161KV'	20	-0.01401	-0.08271	55
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'CARTHAGE 69KV'	32	-0.01577	-0.08095	56
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'JAMES RIVER 69KV'	232.943	-0.0152	-0.08152	56
SWPA	'BEAVER 161KV'	22.09594	-0.09672	SWPA	'BULL SHOALS 161KV'	294	-0.01992	-0.0768	59
SWPA	'TABLE ROCK 161KV'	32.8	-0.03201	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01816	-0.05017	90
SWPA	'TABLE ROCK 161KV'	32.8	-0.03201	SWPA	'DENISON 138KV'	59.59999	0.01463	-0.04664	97
SWPA	'TABLE ROCK 161KV'	32.8	-0.03201	SWPA	'FORT GIBSON 161KV'	42.4	0.0145	-0.04651	98
SWPA	'BULL SHOALS 161KV'	51.2	-0.01992	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01816	-0.03808	119
SWPA	'BULL SHOALS 161KV'	51.2	-0.01992	SWPA	'DENISON 138KV'	59.59999	0.01463	-0.03455	131
SWPA	'BULL SHOALS 161KV'	51.2	-0.01992	SWPA	'EUFAULA 138KV'	51	0.0122	-0.03212	141
SWPA	'NORFORK 161KV'	65	-0.01401	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01816	-0.03217	141

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

SWPA	'BULL SHOALS 161KV'	51.2	-0.01992	SWPA	'BROKEN BOW 138KV'	93.6	0.01146	-0.03138	145

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - TONTITOWN 161KV CKT 1
Direction: From->To
Line Outage: FARMING5 161 - SOUTH FAYETTEVILLE 161KV CKT 1
Flowgate: 5315453170153169531571330 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
1161666	2.6	2.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'COGENTRIX 345KV'	965	0.03786	-0.35902	7
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'OEC 345KV'	419	0.04086	-0.36202	7
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'RIVERSIDE STATION 138KV'	422	0.02894	-0.3501	7
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'TULSA POWER STATION 138KV'	38	0.02739	-0.34855	7
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'COMANCHE 138KV'	160	0.02198	-0.34314	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'COMANCHE 69KV'	63	0.02192	-0.34308	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'EASTMAN 138KV'	155	0.01147	-0.33263	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'FITZHUGH 161KV'	87	0.00684	-0.328	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'KNOXLEE 138KV'	103	0.01138	-0.33254	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'L&D13 69KV'	11	-0.00629	-0.31487	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'LEBROCK 345KV'	365	0.01145	-0.33261	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'LIEBERMAN 138KV'	73.99999	0.0106	-0.33176	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01205	-0.33321	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'NORTHEASTERN STATION 138KV'	338	0.01205	-0.33321	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'NORTHEASTERN STATION 345KV'	550	0.0208	-0.34196	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'PIRKEY GENERATION 138KV'	440	0.01142	-0.33258	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02174	-0.3429	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'WELSH 345KV'	1012	0.01277	-0.33393	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'WILKES 138KV'	143.5491	0.01185	-0.33301	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'WILKES 345KV'	272.1714	0.01167	-0.33283	8
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'FLINT CREEK 161KV'	400	-0.03865	-0.28251	9
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'DENISON 138KV'	50.8684	0.02184	-0.14477	18
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'KEYSTONE DAM 161KV'	50.8684	0.02036	-0.14329	18
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'BROKEN BOW 138KV'	79.85155	0.01725	-0.14018	19
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'EUFAULA 138KV'	43.57332	0.01536	-0.13829	19
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'EUFAULA 161KV'	21.78666	0.01535	-0.13828	19
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'FORT GIBSON 161KV'	36.27824	0.01412	-0.13705	19
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'ROBERT S. KERR 161KV'	91.87858	0.0113	-0.13423	19
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'TENKILLER FERRY 161KV'	30.56047	0.01523	-0.13816	19
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'WEBBERS FALLS 161KV'	33.51794	0.01523	-0.13816	19
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'OZARK 161KV'	67.03587	0.00682	-0.12975	20
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'DARDANELLE 161KV'	117.1156	0.00223	-0.12516	21
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'GREERS FERRY 161KV'	79.85155	-0.00438	-0.11855	22
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'SIKESTON 161KV'	235	-0.00264	-0.12029	22
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'TRUMAN 161KV'	87.14664	-0.00673	-0.1162	22
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'STOCKTON 161KV'	37.75697	-0.01646	-0.10647	24
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'NORFORK 161KV'	61.71244	-0.01846	-0.10447	25
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'JAMES RIVER 69KV'	233.7503	-0.02403	-0.0989	26
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'MCCARTNEY 161KV'	209.8568	-0.02197	-0.10096	26
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'BULL SHOALS 161KV'	250.793	-0.02577	-0.09716	27
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'TABLE ROCK 161KV'	159.7031	-0.04407	-0.07886	33
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'OEC 345KV'	419	0.04086	-0.07951	33
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'COGENTRIX 345KV'	965	0.03786	-0.07651	34
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'RIVERSIDE STATION 138KV'	422	0.02894	-0.06759	38
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'TULSA POWER STATION 138KV'	38	0.02739	-0.06604	39
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'DENISON 138KV'	50.8684	0.02184	-0.06591	39
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'KEYSTONE DAM 161KV'	50.8684	0.02036	-0.06443	40
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'BROKEN BOW 138KV'	79.85155	0.01725	-0.06132	42
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'COMANCHE 138KV'	160	0.02198	-0.06063	43
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'COMANCHE 69KV'	63	0.02192	-0.06057	43
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02174	-0.06039	43
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'NORTHEASTERN STATION 345KV'	550	0.0208	-0.05945	44
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'EUFAULA 138KV'	43.57332	0.01536	-0.05943	44
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'EUFAULA 161KV'	21.78666	0.01535	-0.05942	44
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'TENKILLER FERRY 161KV'	30.56047	0.01523	-0.0593	44
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'WEBBERS FALLS 161KV'	33.51794	0.01523	-0.0593	44
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'FORT GIBSON 161KV'	36.27824	0.01412	-0.05819	45
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'ROBERT S. KERR 161KV'	91.87858	0.0113	-0.05537	47
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01205	-0.0507	51
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'NORTHEASTERN STATION 138KV'	338	0.01205	-0.0507	51
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'WELSH 345KV'	1012	0.01277	-0.05142	51
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'WILKES 138KV'	143.5491	0.01185	-0.0505	51
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'OZARK 161KV'	67.03587	0.00682	-0.05089	51
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'EASTMAN 138KV'	155	0.01147	-0.05012	52
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'KNOXLEE 138KV'	103	0.01138	-0.05003	52
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'LEBROCK 345KV'	365	0.01145	-0.0501	52
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'PIRKEY GENERATION 138KV'	440	0.01142	-0.05007	52
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'WILKES 345KV'	272.1714	0.01167	-0.05032	52
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'LIEBERMAN 138KV'	73.99999	0.0106	-0.04925	53
SWPA	'CARTHAGE 69KV'	32	-0.0262	SWPA	'DENISON 138KV'	50.8684	0.02184	-0.04804	54
SWPA	'BULL SHOALS 161KV'	94.40697	-0.02577	SWPA	'DENISON 138KV'	50.8684	0.02184	-0.04761	55
SWPA	'BULL SHOALS 161KV'	94.40697	-0.02577	SWPA	'KEYSTONE DAM 161KV'	50.8684	0.02036	-0.04613	56
SWPA	'CARTHAGE 69KV'	32	-0.0262	SWPA	'KEYSTONE DAM 161KV'	50.8684	0.02036	-0.04656	56
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'DARDANELLE 161KV'	117.1156	0.00223	-0.0463	56
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'FITZHUGH 161KV'	87	0.00684	-0.04549	57
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'DENISON 138KV'	50.8684	0.02184	-0.04543	57
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'KEYSTONE DAM 161KV'	50.8684	0.02036	-0.04395	59
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'DENISON 138KV'	50.8684	0.02184	-0.04381	59
SWPA	'BULL SHOALS 161KV'	94.40697	-0.02577	SWPA	'BROKEN BOW 138KV'	79.85155	0.01725	-0.04302	60
SWPA	'CARTHAGE 69KV'	32	-0.0262	SWPA	'BROKEN BOW 138KV'	79.85155	0.01725	-0.04345	60
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'KEYSTONE DAM 161KV'	50.8684	0.02036	-0.04233	61
SWPA	'BULL SHOALS 161KV'	94.40697	-0.02577	SWPA	'EUFAULA 138KV'	43.57332	0.01536	-0.04113	63
SWPA	'BULL SHOALS 161KV'	94.40697	-0.02577	SWPA	'EUFAULA 161KV'	21.78666	0.01535	-0.04112	63
SWPA	'BULL SHOALS 161KV'	94.40697	-0.02577	SWPA	'TENKILLER FERRY 161KV'	30.56047	0.01523	-0.041	63
SWPA	'BULL SHOALS 161KV'	94.40697	-0.02577	SWPA	'WEBBERS FALLS 161KV'	33.51794	0.01523	-0.041	63
SWPA	'CARTHAGE 69KV'	32	-0.0262	SWPA	'EUFAULA 138KV'	43.57332	0.01536	-0.04156	63
SWPA	'CARTHAGE 69KV'	32	-0.0262	SWPA	'EUFAULA 161KV'	21.78666	0.01535	-0.04155	63
SWPA	'CARTHAGE 69KV'	32	-0.0262	SWPA	'TENKILLER FERRY 161KV'	30.56047	0.01523	-0.04143	63
SWPA	'CARTHAGE 69KV'	32	-0.0262	SWPA	'WEBBERS FALLS 161KV'	33.51794	0.01523	-0.04143	63
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'SIKESTON 161KV'	235	-0.00264	-0.04143	63
SWPA	'CARTHAGE 69KV'	32	-0.0262	SWPA	'FORT GIBSON 161KV'	36.27824	0.01412	-0.04032	64
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'BROKEN BOW 138KV'	79.85155	0.01725	-0.04084	64
AEPW	'MID-CONTINENT 138KV'	142.11	0.00019	AEPW	'OEC 345KV'	419	0.04086	-0.04067	64
SWPA	'NORFORK 161KV'	23.28756	-0.01846	SWPA	'DENISON 138KV'	50.8684	0.02184	-0.0403	64
SWPA	'BULL SHOALS 161KV'	94.40697	-0.02577	SWPA	'FORT GIBSON 161KV'	36.27824	0.01412	-0.03989	65

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

SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'GREERS FERRY 161KV'	79.85155	-0.00438	-0.03969	65
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'BROKEN BOW 138KV'	79.85155	0.01725	-0.03922	66
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'EUFAULA 138KV'	43.57332	0.01536	-0.03895	67
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'TENKILLER FERRY 161KV'	30.56047	0.01523	-0.03882	67
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'WEBBERS FALLS 161KV'	33.51794	0.01523	-0.03882	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: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - TONTITOWN 161KV CKT 1
Direction: From->To
Line Outage: FARMING5 161 - SOUTH FAYETTEVILLE 161KV CKT 1
Flowgate: 5315453170153169531571330 8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	1.3	1.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'COGENTRIX 345KV'	1065	0.02812	-0.36861	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'COMANCHE 138KV'	160	0.01847	-0.35896	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'COMANCHE 69KV'	63	0.01846	-0.35895	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'EASTMAN 138KV'	155	0.00918	-0.34967	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'FITZHUGH 161KV'	126	0.00559	-0.34608	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'FLINT CREEK 161KV'	400	-0.0223	-0.31819	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'FULTON 115KV'	32.99999	0.00776	-0.34825	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'KNOXLEE 138KV'	164	0.00911	-0.3496	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'L&D13 69KV'	11	-0.00601	-0.33448	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'LEBROCK 345KV'	165	0.00917	-0.34966	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'LIEBERMAN 138KV'	73.99999	0.00846	-0.34895	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'NORTHEASTERN STATION 138KV'	242.1	0.01731	-0.3578	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01731	-0.3578	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'NORTHEASTERN STATION 345KV'	600	0.02089	-0.36138	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'OEC 345KV'	469	0.03254	-0.37303	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'PIRKEY GENERATION 138KV'	450	0.00914	-0.34963	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'RIVERSIDE STATION 138KV'	245	0.02692	-0.36741	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.01843	-0.35892	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'WELSH 345KV'	975.0001	0.01026	-0.35075	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'WILKES 138KV'	225.6553	0.00949	-0.34998	4
AEPW	'AEP-CT0613.8 161KV'	510	-0.34049	AEPW	'WILKES 345KV'	311	0.00934	-0.34983	4
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'DENISON 138KV'	53.07256	0.0185	-0.14206	9
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'EUFAULA 138KV'	45.51993	0.01538	-0.13894	9
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'EUFAULA 161KV'	22.75996	0.01538	-0.13894	9
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'FORT GIBSON 161KV'	37.96729	0.01833	-0.14189	9
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'KEYSTONE DAM 161KV'	53.07256	0.023	-0.14656	9
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'TENKILLER FERRY 161KV'	16.33002	0.01627	-0.13983	9
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'WEBBERS FALLS 161KV'	34.90541	0.01627	-0.13983	9
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'BROKEN BOW 138KV'	83.2831	0.01444	-0.138	10
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'OZARK 161KV'	87.26353	0.00557	-0.12913	10
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'ROBERT S. KERR 161KV'	95.53061	0.01056	-0.13412	10
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'CLARENCE CANNON DAM 69KV'	33.88693	-0.0027	-0.12086	11
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'DARDANELLE 161KV'	107.3699	-0.00006	-0.1235	11
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'GREERS FERRY 161KV'	83.2831	-0.00367	-0.11989	11
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'JONESBORO 161KV'	43	-0.0032	-0.12036	11
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'SIKESTON 161KV'	235	-0.00229	-0.12127	11
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'TRUMAN 161KV'	91.03986	-0.00465	-0.11891	11
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'MCCARTNEY 161KV'	242.7618	-0.01769	-0.10587	12
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'NORFORK 161KV'	20.41252	-0.01826	-0.1053	12
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'STOCKTON 161KV'	39.39617	-0.0129	-0.11066	12
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'BULL SHOALS 161KV'	261.2803	-0.02571	-0.09785	13
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'CARTHAGE 69KV'	13	-0.02025	-0.10331	13
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'JAMES RIVER 69KV'	234.2063	-0.01953	-0.10403	13
SWPA	'BEAVER 161KV'	34.46845	-0.12356	SWPA	'TABLE ROCK 161KV'	166.5662	-0.04102	-0.08254	16
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'KEYSTONE DAM 161KV'	53.07256	0.023	-0.06402	21
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'DENISON 138KV'	53.07256	0.0185	-0.05952	22
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'FORT GIBSON 161KV'	37.96729	0.01833	-0.05935	22
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'EUFAULA 138KV'	45.51993	0.01538	-0.0564	23
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'EUFAULA 161KV'	22.75996	0.01538	-0.0564	23
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'TENKILLER FERRY 161KV'	16.33002	0.01627	-0.05729	23
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'WEBBERS FALLS 161KV'	34.90541	0.01627	-0.05729	23
AEPW	'FLINT CREEK 161KV'	28	-0.0223	AEPW	'OEC 345KV'	469	0.03254	-0.05484	24
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'BROKEN BOW 138KV'	83.2831	0.01444	-0.05546	24
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'ROBERT S. KERR 161KV'	95.53061	0.01056	-0.05158	25
AEPW	'FLINT CREEK 161KV'	28	-0.0223	AEPW	'COGENTRIX 345KV'	1065	0.02812	-0.05042	26
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02571	SWPA	'KEYSTONE DAM 161KV'	53.07256	0.023	-0.04871	27
AEPW	'FLINT CREEK 161KV'	28	-0.0223	AEPW	'RIVERSIDE STATION 138KV'	245	0.02692	-0.04922	27
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'OZARK 161KV'	87.26353	0.00557	-0.04659	28
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02571	SWPA	'DENISON 138KV'	53.07256	0.0185	-0.04421	30
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02571	SWPA	'FORT GIBSON 161KV'	37.96729	0.01833	-0.04404	30
SWPA	'CARTHAGE 69KV'	19	-0.02025	SWPA	'KEYSTONE DAM 161KV'	53.07256	0.023	-0.04325	30
AEPW	'FLINT CREEK 161KV'	28	-0.0223	AEPW	'NORTHEASTERN STATION 345KV'	600	0.02089	-0.04319	30
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02571	SWPA	'TENKILLER FERRY 161KV'	16.33002	0.01627	-0.04198	31
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02571	SWPA	'WEBBERS FALLS 161KV'	34.90541	0.01627	-0.04198	31
SWPA	'JAMES RIVER 161KV'	159	-0.01906	SWPA	'KEYSTONE DAM 161KV'	53.07256	0.023	-0.04206	31
SWPA	'PHELPS AVENUE-MAIN AVENUE 69KV'	12	-0.01921	SWPA	'KEYSTONE DAM 161KV'	53.07256	0.023	-0.04221	31
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02571	SWPA	'EUFAULA 138KV'	45.51993	0.01538	-0.04109	32
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02571	SWPA	'EUFAULA 161KV'	22.75996	0.01538	-0.04109	32
AEPW	'FLINT CREEK 161KV'	28	-0.0223	AEPW	'COMANCHE 138KV'	160	0.01847	-0.04077	32
AEPW	'FLINT CREEK 161KV'	28	-0.0223	AEPW	'COMANCHE 69KV'	63	0.01846	-0.04076	32
AEPW	'FLINT CREEK 161KV'	28	-0.0223	AEPW	'SOUTHWESTERN STATION 138KV'	86	0.01843	-0.04073	32
SWPA	'MCCARTNEY 161KV'	143.2382	-0.01769	SWPA	'KEYSTONE DAM 161KV'	53.07256	0.023	-0.04069	32
SWPA	'NORFORK 161KV'	64.58748	-0.01826	SWPA	'KEYSTONE DAM 161KV'	53.07256	0.023	-0.04126	32
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'DARDANELLE 161KV'	107.3699	-0.00006	-0.04096	32
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02571	SWPA	'BROKEN BOW 138KV'	83.2831	0.01444	-0.04015	33
AEPW	'FLINT CREEK 161KV'	28	-0.0223	AEPW	'NORTHEASTERN STATION 138KV'	242.1	0.01731	-0.03961	33
AEPW	'FLINT CREEK 161KV'	28	-0.0223	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01731	-0.03961	33
SWPA	'CARTHAGE 69KV'	19	-0.02025	SWPA	'DENISON 138KV'	53.07256	0.0185	-0.03875	34
SWPA	'CARTHAGE 69KV'	19	-0.02025	SWPA	'FORT GIBSON 161KV'	37.96729	0.01833	-0.03858	34
AEPW	'L&D13 69KV'	13	-0.00601	AEPW	'OEC 345KV'	469	0.03254	-0.03855	34
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'CLARENCE CANNON DAM 69KV'	33.88693	-0.0027	-0.03832	34
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'SIKESTON 161KV'	235	-0.00229	-0.03873	34
SWPA	'JAMES RIVER 161KV'	159	-0.01906	SWPA	'DENISON 138KV'	53.07256	0.0185	-0.03756	35
SWPA	'JAMES RIVER 161KV'	159	-0.01906	SWPA	'FORT GIBSON 161KV'	37.96729	0.01833	-0.03739	35
SWPA	'PHELPS AVENUE-MAIN AVENUE 69KV'	12	-0.01921	SWPA	'DENISON 138KV'	53.07256	0.0185	-0.03771	35
SWPA	'PHELPS AVENUE-MAIN AVENUE 69KV'	12	-0.01921	SWPA	'FORT GIBSON 161KV'	37.96729	0.01833	-0.03754	35
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'GREERS FERRY 161KV'	83.2831	-0.00367	-0.03735	35
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'JONESBORO 161KV'	43	-0.0032	-0.03782	35
SWPA	'BULL SHOALS 161KV'	83.91969	-0.02571	SWPA	'ROBERT S. KERR 161KV'	95.53061	0.01056	-0.03627	36
SWPA	'CARTHAGE 69KV'	19	-0.02025	SWPA	'TENKILLER FERRY 161KV'	16.33002	0.01627	-0.03652	36
SWPA	'CARTHAGE 69KV'	19	-0.02025	SWPA	'WEBBERS FALLS 161KV'	34.90541	0.01627	-0.03652	36

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

SWPA	'MCCARTNEY 161KV'	143.2382	-0.01769	SWPA	'DENISON 138KV'	53.07256	0.0185	-0.03619	36
SWPA	'MCCARTNEY 161KV'	143.2382	-0.01769	SWPA	'FORT GIBSON 161KV'	37.96729	0.01833	-0.03602	36
SWPA	'NORFORK 161KV'	64.58748	-0.01826	SWPA	'DENISON 138KV'	53.07256	0.0185	-0.03676	36
SWPA	'NORFORK 161KV'	64.58748	-0.01826	SWPA	'FORT GIBSON 161KV'	37.96729	0.01833	-0.03659	36
SWPA	'TABLE ROCK 161KV'	53.43381	-0.04102	SWPA	'TRUMAN 161KV'	91.03986	-0.00465	-0.03637	36
SWPA	'CARTHAGE 69KV'	19	-0.02025	SWPA	'EUFAULA 138KV'	45.51993	0.01538	-0.03563	37
SWPA	'CARTHAGE 69KV'	19	-0.02025	SWPA	'EUFAULA 161KV'	22.75996	0.01538	-0.03563	37
SWPA	'JAMES RIVER 161KV'	159	-0.01906	SWPA	'TENKILLER FERRY 161KV'	16.33002	0.01627	-0.03533	37
SWPA	'JAMES RIVER 161KV'	159	-0.01906	SWPA	'WEBBERS FALLS 161KV'	34.90541	0.01627	-0.03533	37

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - TONTITOWN 161KV CKT 1
Direction: From->To
Line Outage: FARMING5 161 - FARMINGTON AECC 161KV CKT 1
Flowgate: 5315453170153195531691230 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
1161666	5.5	5.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'COGENTRIX 345KV'	865	0.03786	-0.35902	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'OEC 345KV'	419	0.04086	-0.36202	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'COMANCHE 138KV'	160	0.02198	-0.34314	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'COMANCHE 69KV'	63	0.02192	-0.34308	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'EASTMAN 138KV'	155	0.01147	-0.33263	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'KNOXLEE 138KV'	103	0.01138	-0.33254	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'LEBROCK 345KV'	365	0.01145	-0.33261	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'LIEBERMAN 138KV'	73.99999	0.0106	-0.33176	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'NORTHEASTERN STATION 138KV'	338	0.01205	-0.33321	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01205	-0.33321	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'NORTHEASTERN STATION 345KV'	550	0.0208	-0.34196	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'PIRKEY GENERATION 138KV'	440	0.01142	-0.33258	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'RIVERSIDE STATION 138KV'	422	0.02894	-0.3501	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02174	-0.3429	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'TULSA POWER STATION 138KV'	38	0.02739	-0.34855	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'WELSH 345KV'	1012	0.01277	-0.33393	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'WILKES 138KV'	143.5491	0.01185	-0.33301	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'WILKES 345KV'	266.6709	0.01167	-0.33283	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'FITZHUGH 161KV'	87	0.00684	-0.328	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'L&D13 69KV'	11	-0.00629	-0.31487	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'FLINT CREEK 161KV'	400	-0.03865	-0.28251	19
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'DENISON 138KV'	51.6	0.02184	-0.14477	38
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'KEYSTONE DAM 161KV'	51.6	0.02036	-0.14329	38
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'BROKEN BOW 138KV'	81	0.01725	-0.14018	39
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'EUFAULA 138KV'	44.2	0.01536	-0.13829	39
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'EUFAULA 161KV'	22.1	0.01535	-0.13828	39
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'TENKILLER FERRY 161KV'	31	0.01523	-0.13816	39
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'WEBBERS FALLS 161KV'	34	0.01523	-0.13816	39
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'FORT GIBSON 161KV'	36.8	0.01412	-0.13705	40
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'ROBERT S. KERR 161KV'	93.2	0.0113	-0.13423	41
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'OZARK 161KV'	68	0.00682	-0.12975	42
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'DARDANELLE 161KV'	118.8	0.00223	-0.12516	44
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'SIKESTON 161KV'	235	-0.00264	-0.12029	45
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'GREERS FERRY 161KV'	81	-0.00438	-0.11855	46
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'TRUMAN 161KV'	88.4	-0.00673	-0.1162	47
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'STOCKTON 161KV'	38.3	-0.01646	-0.10647	51
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'NORFORK 161KV'	62.6	-0.01846	-0.10447	52
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'MCCARTNEY 161KV'	209.8568	-0.02197	-0.10096	54
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'JAMES RIVER 69KV'	233.6871	-0.02403	-0.0989	55
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'BULL SHOALS 161KV'	254.4	-0.02577	-0.09716	56
SWPA	'BEAVER 161KV'	33.98499	-0.12293	SWPA	'TABLE ROCK 161KV'	162	-0.04407	-0.07886	69
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'OEC 345KV'	419	0.04086	-0.07951	69
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'COGENTRIX 345KV'	865	0.03786	-0.07651	71
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'RIVERSIDE STATION 138KV'	422	0.02894	-0.06759	81
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'TULSA POWER STATION 138KV'	38	0.02739	-0.06604	83
SWPA	'TABLE ROCK 161KV'	58	-0.04407	SWPA	'DENISON 138KV'	51.6	0.02184	-0.06591	83
SWPA	'TABLE ROCK 161KV'	58	-0.04407	SWPA	'KEYSTONE DAM 161KV'	51.6	0.02036	-0.06443	85
SWPA	'TABLE ROCK 161KV'	58	-0.04407	SWPA	'BROKEN BOW 138KV'	81	0.01725	-0.06132	89
SWPA	'TABLE ROCK 161KV'	58	-0.04407	SWPA	'EUFAULA 138KV'	44.2	0.01536	-0.05943	92
SWPA	'TABLE ROCK 161KV'	58	-0.04407	SWPA	'TENKILLER FERRY 161KV'	31	0.01523	-0.0593	92
SWPA	'TABLE ROCK 161KV'	58	-0.04407	SWPA	'WEBBERS FALLS 161KV'	34	0.01523	-0.0593	92
SWPA	'TABLE ROCK 161KV'	58	-0.04407	SWPA	'FORT GIBSON 161KV'	36.8	0.01412	-0.05819	94
SWPA	'TABLE ROCK 161KV'	58	-0.04407	SWPA	'ROBERT S. KERR 161KV'	93.2	0.0113	-0.05537	99
SWPA	'TABLE ROCK 161KV'	58	-0.04407	SWPA	'OZARK 161KV'	68	0.00682	-0.05089	107
SWPA	'BULL SHOALS 161KV'	90.8	-0.02577	SWPA	'DENISON 138KV'	51.6	0.02184	-0.04761	115
SWPA	'BULL SHOALS 161KV'	90.8	-0.02577	SWPA	'KEYSTONE DAM 161KV'	51.6	0.02036	-0.04613	118
SWPA	'TABLE ROCK 161KV'	58	-0.04407	SWPA	'DARDANELLE 161KV'	118.8	0.00223	-0.0463	118
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'DENISON 138KV'	51.6	0.02184	-0.04543	120
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'KEYSTONE DAM 161KV'	51.6	0.02036	-0.04395	124
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'DENISON 138KV'	51.6	0.02184	-0.04381	125
SWPA	'BULL SHOALS 161KV'	90.8	-0.02577	SWPA	'BROKEN BOW 138KV'	81	0.01725	-0.04302	127
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'KEYSTONE DAM 161KV'	51.6	0.02036	-0.04233	129
SWPA	'TABLE ROCK 161KV'	58	-0.04407	SWPA	'SIKESTON 161KV'	235	-0.00264	-0.04143	132
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'BROKEN BOW 138KV'	81	0.01725	-0.04084	134
AEPW	'MID-CONTINENT 138KV'	142.11	0.00019	AEPW	'OEC 345KV'	419	0.04086	-0.04067	134
SWPA	'TABLE ROCK 161KV'	58	-0.04407	SWPA	'GREERS FERRY 161KV'	81	-0.00438	-0.03969	137
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'BROKEN BOW 138KV'	81	0.01725	-0.03922	139
AEPW	'MID-CONTINENT 138KV'	142.11	0.00019	AEPW	'COGENTRIX 345KV'	865	0.03786	-0.03767	145
SWPA	'TABLE ROCK 161KV'	58	-0.04407	SWPA	'TRUMAN 161KV'	88.4	-0.00673	-0.03734	146
SWPA	'BULL SHOALS 161KV'	90.8	-0.02577	SWPA	'ROBERT S. KERR 161KV'	93.2	0.0113	-0.03707	147
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'ROBERT S. KERR 161KV'	93.2	0.0113	-0.03489	156
OKGE	'AES 161KV'	620	0.01122	OKGE	'MUSKOGEE 345KV'	1516	0.04518	-0.03396	161
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'ROBERT S. KERR 161KV'	93.2	0.0113	-0.03327	164
SWPA	'BULL SHOALS 161KV'	90.8	-0.02577	SWPA	'OZARK 161KV'	68	0.00682	-0.03259	167
AEPW	'FULTON 115KV'	153	0.00974	AEPW	'OEC 345KV'	419	0.04086	-0.03112	175
AEPW	'AH-CC_ST18.0 138KV'	550	0.01039	AEPW	'OEC 345KV'	419	0.04086	-0.03047	179
AEPW	'ARSENAL HILL 69KV'	99	0.0104	AEPW	'OEC 345KV'	419	0.04086	-0.03046	179
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'OZARK 161KV'	68	0.00682	-0.03041	179
EMDE	'LARUSSEL 161KV'	296	-0.02735	EMDE	'ELK RIVER 345KV'	80	0.0032	-0.03055	179
AEPW	'LIEBERMAN 138KV'	154	0.0106	AEPW	'OEC 345KV'	419	0.04086	-0.03026	180

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - TONTITOWN 161KV CKT 1

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

Direction: From->To
Line Outage: FARMING5 161 - FARMINGTON AECC 161KV CKT 1
Flowgate: 5315453170153195531691330 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
1161666	5.6	5.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'OEC 345KV'	419	0.04086	-0.36202	15
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'COGENTRIX 345KV'	965	0.03786	-0.35902	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'COMANCHE 138KV'	160	0.02198	-0.34314	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'COMANCHE 69KV'	63	0.02192	-0.34308	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'NORTHEASTERN STATION 345KV'	550	0.0208	-0.34196	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'RIVERSIDE STATION 138KV'	422	0.02894	-0.3501	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'SOUTHWESTERN STATION 138KV'	143	0.02174	-0.3429	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'TULSA POWER STATION 138KV'	38	0.02739	-0.34855	16
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'EASTMAN 138KV'	155	0.01147	-0.33263	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'FITZHUGH 161KV'	87	0.00684	-0.328	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'KNOXLEE 138KV'	103	0.01138	-0.33254	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'LEBROCK 345KV'	365	0.01145	-0.33261	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'LIEBERMAN 138KV'	73.99999	0.0106	-0.33176	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'NORTHEASTERN STATION 138KV'	338	0.01205	-0.33321	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01205	-0.33321	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'PIRKEY GENERATION 138KV'	440	0.01142	-0.33258	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'WELSH 345KV'	1012	0.01277	-0.33393	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'WILKES 138KV'	143.5491	0.01185	-0.33301	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'WILKES 345KV'	272.1714	0.01167	-0.33283	17
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'L&D13 69KV'	11	-0.00629	-0.31487	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.32116	AEPW	'FLINT CREEK 161KV'	400	-0.03865	-0.28251	20
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'DENISON 138KV'	50.8684	0.02184	-0.14477	38
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'KEYSTONE DAM 161KV'	50.8684	0.02036	-0.14329	39
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'BROKEN BOW 138KV'	79.85155	0.01725	-0.14018	40
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'EUFAULA 138KV'	43.57332	0.01536	-0.13829	40
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'EUFAULA 161KV'	21.78666	0.01535	-0.13828	40
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'TENKILLER FERRY 161KV'	30.56047	0.01523	-0.13816	40
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'WEBBERS FALLS 161KV'	33.51794	0.01523	-0.13816	40
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'FORT GIBSON 161KV'	36.27824	0.01412	-0.13705	41
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'ROBERT S. KERR 161KV'	91.87858	0.0113	-0.13423	41
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'OZARK 161KV'	67.03587	0.00682	-0.12975	43
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'DARDANELLE 161KV'	117.1156	0.00223	-0.12516	44
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'SIKESTON 161KV'	235	-0.00264	-0.12029	46
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'GREERS FERRY 161KV'	79.85155	-0.00438	-0.11855	47
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'TRUMAN 161KV'	87.14664	-0.00673	-0.1162	48
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'STOCKTON 161KV'	37.75697	-0.01646	-0.10647	52
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'NORFORK 161KV'	61.71244	-0.01846	-0.10447	53
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'MCCARTNEY 161KV'	209.8568	-0.02197	-0.10096	55
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'JAMES RIVER 69KV'	233.7503	-0.02403	-0.0989	56
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'BULL SHOALS 161KV'	250.793	-0.02577	-0.09716	57
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'OEC 345KV'	419	0.04086	-0.07951	70
SWPA	'BEAVER 161KV'	35.01569	-0.12293	SWPA	'TABLE ROCK 161KV'	159.7031	-0.04407	-0.07886	71
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'COGENTRIX 345KV'	965	0.03786	-0.07651	73
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'RIVERSIDE STATION 138KV'	422	0.02894	-0.06759	82
AEPW	'FLINT CREEK 161KV'	28	-0.03865	AEPW	'TULSA POWER STATION 138KV'	38	0.02739	-0.06604	84
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'DENISON 138KV'	50.8684	0.02184	-0.06591	84
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'KEYSTONE DAM 161KV'	50.8684	0.02036	-0.06443	86
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'BROKEN BOW 138KV'	79.85155	0.01725	-0.06132	91
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'EUFAULA 138KV'	43.57332	0.01536	-0.05943	94
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'WEBBERS FALLS 161KV'	33.51794	0.01523	-0.0593	94
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'FORT GIBSON 161KV'	36.27824	0.01412	-0.05819	96
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'ROBERT S. KERR 161KV'	91.87858	0.0113	-0.05537	101
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'OZARK 161KV'	67.03587	0.00682	-0.05089	109
SWPA	'BULL SHOALS 161KV'	94.40697	-0.02577	SWPA	'DENISON 138KV'	50.8684	0.02184	-0.04761	117
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'DARDANELLE 161KV'	117.1156	0.00223	-0.0463	120
SWPA	'BULL SHOALS 161KV'	94.40697	-0.02577	SWPA	'KEYSTONE DAM 161KV'	50.8684	0.02036	-0.04613	121
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'DENISON 138KV'	50.8684	0.02184	-0.04543	123
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'KEYSTONE DAM 161KV'	50.8684	0.02036	-0.04395	127
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'DENISON 138KV'	50.8684	0.02184	-0.04381	127
SWPA	'BULL SHOALS 161KV'	94.40697	-0.02577	SWPA	'BROKEN BOW 138KV'	79.85155	0.01725	-0.04302	129
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'KEYSTONE DAM 161KV'	50.8684	0.02036	-0.04233	132
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'SIKESTON 161KV'	235	-0.00264	-0.04143	134
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'BROKEN BOW 138KV'	79.85155	0.01725	-0.04084	136
AEPW	'MID-CONTINENT 138KV'	142.11	0.00019	AEPW	'OEC 345KV'	419	0.04086	-0.04067	137
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'GREERS FERRY 161KV'	79.85155	-0.00438	-0.03969	140
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'BROKEN BOW 138KV'	79.85155	0.01725	-0.03922	142
AEPW	'MID-CONTINENT 138KV'	142.11	0.00019	AEPW	'COGENTRIX 345KV'	965	0.03786	-0.03767	148
SWPA	'TABLE ROCK 161KV'	60.29689	-0.04407	SWPA	'TRUMAN 161KV'	87.14664	-0.00673	-0.03734	149
SWPA	'BULL SHOALS 161KV'	94.40697	-0.02577	SWPA	'ROBERT S. KERR 161KV'	91.87858	0.0113	-0.03707	150
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'ROBERT S. KERR 161KV'	91.87858	0.0113	-0.03489	160
OKGE	'AES 161KV'	620	0.01122	OKGE	'MUSKOGEE 345KV'	1516	0.04518	-0.03396	164
SWPA	'MCCARTNEY 161KV'	176.1432	-0.02197	SWPA	'ROBERT S. KERR 161KV'	91.87858	0.0113	-0.03327	167
SWPA	'BULL SHOALS 161KV'	94.40697	-0.02577	SWPA	'OZARK 161KV'	67.03587	0.00682	-0.03259	171
AEPW	'FULTON 115KV'	153	0.00974	AEPW	'OEC 345KV'	419	0.04086	-0.03112	179
EMDE	'LARUSSEL 161KV'	296	-0.02735	EMDE	'ELK RIVER 345KV'	80	0.0032	-0.03055	182
AEPW	'AH-CC_ST18.0 138KV'	550	0.01039	AEPW	'OEC 345KV'	419	0.04086	-0.03047	183
AEPW	'ARSENAL HILL 69KV'	99	0.0104	AEPW	'OEC 345KV'	419	0.04086	-0.03046	183
SWPA	'JAMES RIVER 161KV'	159	-0.02359	SWPA	'OZARK 161KV'	67.03587	0.00682	-0.03041	183
AEPW	'LIEBERMAN 138KV'	154	0.0106	AEPW	'OEC 345KV'	419	0.04086	-0.03026	184

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1
Direction: From->To
Line Outage: FLINT CREEK - TONTITOWN 161KV CKT 1
Flowgate: 5315453195153139531701230 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	9.5	9.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'COGENTRIX 345KV'	865	0.01889	-0.2579	37
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'FLINT CREEK 161KV'	428	0.01787	-0.25688	37
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01528	-0.25429	37
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01528	-0.25429	37
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01615	-0.25516	37
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'OEC 345KV'	369	0.02101	-0.26002	37

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

AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'RIVERSIDE STATION 138KV'	722	0.01843	-0.25744	37
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'TULSA POWER STATION 138KV'	147	0.01832	-0.25733	37
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'TULSA POWER STATION 138KV'	147	0.01832	-0.25733	37
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'COMANCHE 138KV'	160	0.01265	-0.25166	38
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'COMANCHE 69KV'	63	0.01264	-0.25165	38
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'SOUTHWESTERN STATION 138KV'	422.8001	0.01266	-0.25167	38
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'WELEETKA 138KV'	84	0.01346	-0.25247	38
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'ARSENAL HILL 69KV'	90	0.00477	-0.24378	39
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'EASTMAN 138KV'	155	0.00539	-0.2444	39
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'FULTON 115KV'	24.99999	0.00434	-0.24335	39
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'KNOXLEE 138KV'	299.6278	0.00534	-0.24435	39
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'LEBROCK 345KV'	315	0.00538	-0.24439	39
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'LIEBERMAN 138KV'	176	0.00488	-0.24389	39
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'NARROWS 69KV'	22	0.00667	-0.24568	39
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'PIRKEY GENERATION 138KV'	490	0.00536	-0.24437	39
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'WELSH 345KV'	1044	0.00613	-0.24514	39
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'WILKES 138KV'	441.7656	0.0056	-0.24461	39
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'WILKES 345KV'	311	0.00549	-0.2445	39
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'FITZHUGH 161KV'	126	-0.00164	-0.23737	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: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1
Direction: From->To
Line Outage: FLINT CREEK - GENTRY REC 161KV CKT 1
Flowgate: 5315453195153139531871230 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	9.2	9.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'OEC 345KV'	369	0.02298	-0.18833	49
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'COGENTRIX 345KV'	865	0.0204	-0.18575	50
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'RIVERSIDE STATION 138KV'	722	0.0198	-0.18515	50
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'TULSA POWER STATION 138KV'	147	0.01956	-0.18491	50
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'TULSA POWER STATION 138KV'	147	0.01956	-0.18491	50
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'COMANCHE 138KV'	160	0.01359	-0.17894	51
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'COMANCHE 69KV'	63	0.01358	-0.17893	51
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01533	-0.18068	51
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01533	-0.18068	51
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01677	-0.18212	51
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'SOUTHWESTERN STATION 138KV'	422.8001	0.01359	-0.17894	51
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'WELEETKA 138KV'	84	0.01458	-0.17993	51
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'FLINT CREEK 161KV'	428	0.00852	-0.17387	53
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'NARROWS 69KV'	22	0.00745	-0.1728	53
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'WELSH 345KV'	1044	0.00687	-0.17222	53
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'ARSENAL HILL 69KV'	90	0.00542	-0.17077	54
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'EASTMAN 138KV'	155	0.00608	-0.17143	54
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'FULTON 115KV'	24.99999	0.00498	-0.17033	54
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'KNOXLEE 138KV'	299.6278	0.00603	-0.17138	54
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'LEBROCK 345KV'	315	0.00607	-0.17142	54
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'LIEBERMAN 138KV'	176	0.00554	-0.17089	54
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'PIRKEY GENERATION 138KV'	490	0.00605	-0.1714	54
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'WILKES 138KV'	441.7656	0.0063	-0.17165	54
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'WILKES 345KV'	311	0.00619	-0.17154	54
AEPW	'AEP-CT0613.8 161KV'	510	-0.16535	AEPW	'FITZHUGH 161KV'	126	-0.00023	-0.16512	56

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1
Direction: From->To
Line Outage: FLINT CREEK - GRDA1 345KV CKT 1
Flowgate: 5315453195153140544501310 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	0.5	0.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'ARSENAL HILL 69KV'	15	0.00548	-0.16128	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'COGENTRIX 345KV'	865	0.02023	-0.17603	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'COMANCHE 138KV'	160	0.01337	-0.16917	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'COMANCHE 69KV'	63	0.01337	-0.16917	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'EASTMAN 138KV'	155	0.00612	-0.16192	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'FITZHUGH 161KV'	126	0.00023	-0.15603	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'FLINT CREEK 161KV'	428	-0.01057	-0.14523	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'FULTON 115KV'	24.99999	0.00508	-0.16088	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'KNOXLEE 138KV'	265.3734	0.00607	-0.16187	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'LEBROCK 345KV'	315	0.00611	-0.16191	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'LIEBERMAN 138KV'	91	0.0056	-0.1614	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'NARROWS 69KV'	22	0.00747	-0.16327	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01557	-0.17137	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01557	-0.17137	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01676	-0.17256	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'OEC 345KV'	456	0.0226	-0.1784	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'PIRKEY GENERATION 138KV'	490	0.00609	-0.16189	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'RIVERSIDE STATION 138KV'	646	0.01967	-0.17547	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'SLEEPING BEAR 138KV'	80	0.01281	-0.16861	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.01337	-0.16917	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'SOUTHWESTERN STATION 138KV'	277.6001	0.01337	-0.16917	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'TULSA POWER STATION 138KV'	75	0.01948	-0.17528	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'TULSA POWER STATION 138KV'	147	0.01948	-0.17528	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'WEATHERFORD 34KV'	148	0.013	-0.1688	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'WELEETKA 138KV'	84	0.01453	-0.17033	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'WELSH 345KV'	1044	0.00689	-0.16269	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'WILKES 138KV'	357.7468	0.00634	-0.16214	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'WILKES 345KV'	311	0.00623	-0.16203	3
AEPW	'AEP-CT0613.8 161KV'	510	-0.1558	AEPW	'L&D13 69KV'	11	-0.02024	-0.13556	4
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'DENISON 138KV'	59.59999	0.01314	-0.08845	5
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'FORT GIBSON 161KV'	42.4	0.01434	-0.08965	5
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01813	-0.09344	5
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'BROKEN BOW 138KV'	93.6	0.00994	-0.08525	6
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	-0.00092	-0.07439	6

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

SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'EUFAULA 138KV'	51	0.00938	-0.08469	6
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'EUFAULA 161KV'	25.5	0.00938	-0.08469	6
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'OZARK 161KV'	98	0.00022	-0.07553	6
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00392	-0.07923	6
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'TENKILLER FERRY 161KV'	16	0.01043	-0.08574	6
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01043	-0.08574	6
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'CARTHAGE 69KV'	32	-0.01035	-0.06496	7
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'DARDANELLE 161KV'	105.2	-0.0014	-0.07391	7
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'GREERS FERRY 161KV'	93.6	-0.00265	-0.07266	7
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'JAMES RIVER 161KV'	159	-0.01099	-0.06432	7
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'JONESBORO 161KV'	43	-0.00194	-0.07337	7
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'KENNETT 69KV'	7.5	-0.00152	-0.07379	7
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'MALDEN 69KV'	7	-0.00141	-0.0739	7
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'MCCARTNEY 161KV'	342.4351	-0.01014	-0.06517	7
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'NORFORK 161KV'	20	-0.01087	-0.06444	7
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'PARAGOULD 69KV'	5.5	-0.00176	-0.07355	7
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'SIKESTON 161KV'	235	-0.00126	-0.07405	7
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'STOCKTON 161KV'	44.3	-0.00672	-0.06859	7
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'TRUMAN 161KV'	102	-0.00179	-0.07352	7
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'BULL SHOALS 161KV'	294	-0.01544	-0.05987	8
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'JAMES RIVER 69KV'	233.6882	-0.01125	-0.06406	8
SWPA	'BEAVER 161KV'	21.3209	-0.07531	SWPA	'TABLE ROCK 161KV'	187.2	-0.02449	-0.05082	9
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'OEC 345KV'	456	0.0226	-0.04284	11
SWPA	'TABLE ROCK 161KV'	32.8	-0.02449	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01813	-0.04262	11
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'COGENTRIX 345KV'	865	0.02023	-0.04047	12
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'RIVERSIDE STATION 138KV'	646	0.01967	-0.03991	12
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'TULSA POWER STATION 138KV'	147	0.01948	-0.03972	12
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'TULSA POWER STATION 138KV'	75	0.01948	-0.03972	12
SWPA	'TABLE ROCK 161KV'	32.8	-0.02449	SWPA	'FORT GIBSON 161KV'	42.4	0.01434	-0.03883	12
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01557	-0.03581	13
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01557	-0.03581	13
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01676	-0.037	13
SWPA	'TABLE ROCK 161KV'	32.8	-0.02449	SWPA	'DENISON 138KV'	59.59999	0.01314	-0.03763	13
SWPA	'BULL SHOALS 161KV'	51.2	-0.01544	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01813	-0.03357	14
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'COMANCHE 138KV'	160	0.01337	-0.03361	14
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'COMANCHE 69KV'	63	0.01337	-0.03361	14
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.01337	-0.03361	14
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'SOUTHWESTERN STATION 138KV'	277.6001	0.01337	-0.03361	14
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'WELEETKA 138KV'	84	0.01453	-0.03477	14
SWPA	'TABLE ROCK 161KV'	32.8	-0.02449	SWPA	'BROKEN BOW 138KV'	93.6	0.00994	-0.03443	14
SWPA	'TABLE ROCK 161KV'	32.8	-0.02449	SWPA	'EUFAULA 138KV'	51	0.00938	-0.03387	14
SWPA	'TABLE ROCK 161KV'	32.8	-0.02449	SWPA	'EUFAULA 161KV'	25.5	0.00938	-0.03387	14
SWPA	'TABLE ROCK 161KV'	32.8	-0.02449	SWPA	'TENKILLER FERRY 161KV'	16	0.01043	-0.03492	14
SWPA	'TABLE ROCK 161KV'	32.8	-0.02449	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01043	-0.03492	14
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'SLEEPING BEAR 138KV'	80	0.01281	-0.03305	15
AEPW	'L&D13 69KV'	13	-0.02024	AEPW	'WEATHERFORD 34KV'	148	0.013	-0.03324	15

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: FARMING5 161 - FARMINGTON AECC 161KV CKT 1
Direction: From->To
Line Outage: FLINT CREEK - TONTITOWN 161KV CKT 1
Flowgate: 5316953195153139531701230 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	4.7	4.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'COGENTRIX 345KV'	865	0.01889	-0.2579	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'COMANCHE 138KV'	160	0.01265	-0.25166	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'COMANCHE 69KV'	63	0.01264	-0.25165	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'FLINT CREEK 161KV'	428	0.01787	-0.25688	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01528	-0.25429	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01528	-0.25429	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01615	-0.25516	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'OEC 345KV'	369	0.02101	-0.26002	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'RIVERSIDE STATION 138KV'	722	0.01843	-0.25744	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'SOUTHWESTERN STATION 138KV'	422.8001	0.01266	-0.25167	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'TULSA POWER STATION 138KV'	147	0.01832	-0.25733	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'TULSA POWER STATION 138KV'	147	0.01832	-0.25733	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'WELEETKA 138KV'	84	0.01346	-0.25247	18
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'ARSENAL HILL 69KV'	90	0.00477	-0.24378	19
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'EASTMAN 138KV'	155	0.00539	-0.2444	19
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'FULTON 115KV'	24.99999	0.00434	-0.24335	19
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'KNOXLEE 138KV'	299.6278	0.00534	-0.24435	19
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'LEBROCK 345KV'	315	0.00538	-0.24439	19
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'LIEBERMAN 138KV'	176	0.00488	-0.24389	19
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'NARROWS 69KV'	22	0.00667	-0.24568	19
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'PIRKEY GENERATION 138KV'	490	0.00536	-0.24437	19
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'WELSH 345KV'	1044	0.00613	-0.24514	19
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'WILKES 138KV'	441.7656	0.0056	-0.24461	19
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'WILKES 345KV'	311	0.00549	-0.2445	19
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'FITZHUGH 161KV'	126	-0.00164	-0.23737	20
AEPW	'AEP-CT0613.8 161KV'	510	-0.23901	AEPW	'L&D13 69KV'	11	-0.02435	-0.21466	22
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01718	-0.11322	41
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'DENISON 138KV'	59.59999	0.01226	-0.1083	43
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'FORT GIBSON 161KV'	42.4	0.0134	-0.10944	43
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'BROKEN BOW 138KV'	93.6	0.00905	-0.10509	44
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'TENKILLER FERRY 161KV'	16	0.00909	-0.10513	44
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'WEBBERS FALLS 161KV'	39.2	0.00909	-0.10513	44
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'EUFAULA 138KV'	51	0.00799	-0.10403	45
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'EUFAULA 161KV'	25.5	0.00798	-0.10402	45
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00214	-0.09818	47
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.00025	-0.09629	48
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'OZARK 161KV'	98	-0.00165	-0.09439	49
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'SIKESTON 161KV'	235	-0.00099	-0.09505	49
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'TRUMAN 161KV'	102	-0.00019	-0.09585	49
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'DARDANELLE 161KV'	105.2	-0.00297	-0.09307	50
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'GREERS FERRY 161KV'	93.6	-0.00379	-0.09225	50
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'JONESBORO 161KV'	63	-0.00226	-0.09378	50
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'STOCKTON 161KV'	44.3	-0.00467	-0.09137	51
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'MCCARTNEY 161KV'	342.4351	-0.0068	-0.08924	52
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'CARTHAGE 69KV'	32	-0.00861	-0.08743	53
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'JAMES RIVER 161KV'	159	-0.00749	-0.08855	53
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'JAMES RIVER 69KV'	233.6244	-0.00794	-0.0881	53
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'NORFORK 161KV'	20	-0.01228	-0.08376	56
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'BULL SHOALS 161KV'	294	-0.01761	-0.07843	59
SWPA	'BEAVER 161KV'	23.70832	-0.09604	SWPA	'TABLE ROCK 161KV'	187.2	-0.02736	-0.06868	68

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

SWPA	'BULL SHOALS 161KV'	51.2	-0.01761	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01718	-0.03479	134

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: BEN279 - EAST CENTERTON 161KV CKT 1
Direction: From->To
Line Outage: FLINT CREEK - TONTITOWN 161KV CKT 1
Flowgate: 5318353133153139531703108SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	8.3	8.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.25635	32
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01919	-0.18747	44
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01919	-0.18747	44
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'COGENTRIX 345KV'	865	0.01468	-0.18296	45
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01614	-0.18442	45
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'RIVERSIDE STATION 138KV'	646	0.01519	-0.18347	45
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'TULSA POWER STATION 138KV'	75	0.01578	-0.18406	45
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'TULSA POWER STATION 138KV'	147	0.01578	-0.18406	45
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'FORT GIBSON 161KV'	42.4	0.01798	-0.18383	45
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01718	-0.18303	45
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'COMANCHE 138KV'	160	0.01057	-0.17885	46
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'COMANCHE 69KV'	63	0.01059	-0.17887	46
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'OEC 345KV'	456	0.01391	-0.18219	46
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'SLEEPING BEAR 138KV'	80	0.01092	-0.1792	46
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'SOUTHWESTERN STATION 138KV'	277.6001	0.01069	-0.17897	46
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.01069	-0.17897	46
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WEATHERFORD 34KV'	148	0.01064	-0.17892	46
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WELEETKA 138KV'	84	0.01257	-0.18085	46
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'DENISON 138KV'	59.59999	0.01018	-0.17603	47
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'EUFAULA 138KV'	51	0.01074	-0.17659	47
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'EUFAULA 161KV'	25.5	0.01074	-0.17659	47
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'TENKILLER FERRY 161KV'	16	0.01234	-0.17819	47
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01234	-0.17819	47
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'EASTMAN 138KV'	155	0.00388	-0.17216	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'FULTON 115KV'	24.99999	0.00311	-0.17139	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'KNOXLEE 138KV'	265.3734	0.00384	-0.17212	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'LEBROCK 345KV'	315	0.00387	-0.17215	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'LIEBERMAN 138KV'	91	0.00348	-0.17176	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'NARROWS 69KV'	22	0.00504	-0.17332	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'PIRKEY GENERATION 138KV'	490	0.00386	-0.17214	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WELSH 345KV'	1044	0.00445	-0.17273	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WILKES 138KV'	357.7468	0.00404	-0.17232	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WILKES 345KV'	311	0.00395	-0.17223	48
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'BROKEN BOW 138KV'	93.6	0.00727	-0.17312	48
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00663	-0.17248	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'FITZHUGH 161KV'	126	0.00234	-0.17062	49
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'OZARK 161KV'	98	0.00232	-0.16817	49
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.00178	-0.16763	50
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'SIKESTON 161KV'	235	-0.00083	-0.16502	50
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'TRUMAN 161KV'	102	0.00182	-0.16767	50
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'DARDANELLE 161KV'	105.2	-0.0037	-0.16215	51
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'JAMES RIVER 161KV'	159	-0.00387	-0.16198	51
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'JONESBORO 161KV'	43	-0.0033	-0.16255	51
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'MCCARTNEY 161KV'	342.4351	-0.00327	-0.16258	51
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'STOCKTON 161KV'	44.3	-0.00289	-0.16296	51
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'CARTHAGE 69KV'	32	-0.00742	-0.15843	52
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'GREERS FERRY 161KV'	93.6	-0.00616	-0.15969	52
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'JAMES RIVER 69KV'	233.6882	-0.0048	-0.16105	52
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'NORFORK 161KV'	20	-0.01865	-0.1472	56
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'BULL SHOALS 161KV'	294	-0.02705	-0.1388	60
AEPW	'2006-10 24.0 115KV'	620	0.0037	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08437	98
AEPW	'AH-CC_ST18.0 138KV'	550	0.00339	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08468	98
AEPW	'ARSENAL HILL 69KV'	75	0.00339	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08468	98
AEPW	'LIEBERMAN 138KV'	137	0.00348	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08459	98
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.00366	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08441	98
AEPW	'EASTMAN 138KV'	330.01	0.00388	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08419	99
AEPW	'KNOXLEE 138KV'	97.62659	0.00384	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08423	99
AEPW	'KNOXLEE 138KV'	60	0.00384	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08423	99
AEPW	'LEBROCK 345KV'	382	0.00387	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.0842	99
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00411	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08396	99
AEPW	'WILKES 138KV'	105.2532	0.00404	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08403	99
AEPW	'KIOWA 345KV'	1348	0.00982	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07825	106
AEPW	'SOUTHWESTERN STATION 138KV'	145.3999	0.01069	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07738	107
AEPW	'SOUTHWESTERN STATION 138KV'	168	0.01069	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07738	107
AEPW	'WELEETKA 138KV'	58	0.01257	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.0755	110
AEPW	'OEC 345KV'	754	0.01391	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07416	112
AEPW	'RIVERSIDE STATION 138KV'	76.00003	0.01519	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07288	114
AEPW	'RVRSIDEG13.8 138KV'	172	0.01519	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07288	114
AEPW	'TULSA POWER STATION 138KV'	72	0.01578	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07229	115
AEPW	'MID-CONTINENT 138KV'	142.11	0.02413	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.06394	130

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: BEN279 - EAST CENTERTON 161KV CKT 1
Direction: From->To
Line Outage: CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1
Flowgate: 5318353133153154531951230 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	7.8	7.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.16798	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'FORT GIBSON 161KV'	42.4	0.01734	-0.1697	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01742	-0.16978	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TENKILLER FERRY 161KV'	16	0.01262	-0.16498	47
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01262	-0.16498	47
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'DENISON 138KV'	59.59999	0.01116	-0.16352	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'EUFAULA 138KV'	51	0.01121	-0.16357	48

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

SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'EUFAULA 161KV'	25.5	0.01121	-0.16357	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'BROKEN BOW 138KV'	93.6	0.00819	-0.16055	49
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00726	-0.15962	49
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'OZARK 161KV'	98	0.00303	-0.15539	50
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.00092	-0.15328	51
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TRUMAN 161KV'	102	0.00061	-0.15297	51
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'DARDANELLE 161KV'	105.2	-0.00281	-0.14955	52
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JONESBORO 161KV'	63	-0.00311	-0.14925	52
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'SIKESTON 161KV'	235	-0.00104	-0.15132	52
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'GREERS FERRY 161KV'	93.6	-0.00543	-0.14693	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JAMES RIVER 161KV'	159	-0.00634	-0.14602	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'MCCARTNEY 161KV'	342.4351	-0.00562	-0.14674	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'STOCKTON 161KV'	44.3	-0.00452	-0.14784	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JAMES RIVER 69KV'	233.6244	-0.00715	-0.14521	54
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'CARTHAGE 69KV'	32	-0.00936	-0.143	55
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'NORFORK 161KV'	20	-0.01782	-0.13454	58
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'BULL SHOALS 161KV'	294	-0.02576	-0.1266	62
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01804	-0.12011	65
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01804	-0.12011	65
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COGENTRIX 345KV'	865	0.01629	-0.11836	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01622	-0.11829	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'OEC 345KV'	369	0.01641	-0.11848	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'RIVERSIDE STATION 138KV'	722	0.01649	-0.11856	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'TULSA POWER STATION 138KV'	147	0.01684	-0.11891	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'TULSA POWER STATION 138KV'	147	0.01684	-0.11891	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WELEETKA 138KV'	84	0.01338	-0.11545	68
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COMANCHE 138KV'	160	0.01144	-0.11351	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COMANCHE 69KV'	63	0.01146	-0.11353	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'SOUTHWESTERN STATION 138KV'	422.8001	0.01154	-0.11361	69
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TABLE ROCK 161KV'	187.2	-0.03993	-0.11243	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'ARSENAL HILL 69KV'	90	0.00411	-0.10618	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'EASTMAN 138KV'	155	0.00464	-0.10671	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'KNOXLEE 138KV'	299.6278	0.0046	-0.10667	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'LEBROCK 345KV'	315	0.00463	-0.1067	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'LIEBERMAN 138KV'	176	0.00421	-0.10628	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'PIRKEY GENERATION 138KV'	490	0.00462	-0.10669	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WELSH 345KV'	1044	0.00527	-0.10734	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WILKES 138KV'	441.7656	0.00482	-0.10689	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WILKES 345KV'	311	0.00472	-0.10679	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FITZHUGH 161KV'	126	0.00305	-0.10512	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FULTON 115KV'	24.99999	0.0038	-0.10587	74
AEPW	'AH-CC_ST18.0 138KV'	550	0.0041	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06181	126
AEPW	'LIEBERMAN 138KV'	52	0.00421	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.0617	126
AEPW	'2006-10 24.0 115KV'	620	0.00444	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06147	127
AEPW	'EASTMAN 138KV'	330.01	0.00464	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06127	127
AEPW	'KNOXLEE 138KV'	60	0.0046	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06131	127
AEPW	'LEBROCK 345KV'	382	0.00463	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06128	127
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.0044	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06151	127
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00489	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06102	128
AEPW	'KIOWA 345KV'	1348	0.01129	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05462	143
AEPW	'SOUTHWESTERN STATION 138KV'	336	0.01154	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05437	144
AEPW	'WELEETKA 138KV'	58	0.01338	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05253	149
AEPW	'OEC 345KV'	841	0.01641	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.0495	158
AEPW	'RVRSIDEG13.8 138KV'	172	0.01649	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.04942	158
AEPW	'MID-CONTINENT 138KV'	142.11	0.02066	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.04525	172

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: BEN279 - EAST CENTERTON 161KV CKT 1
Direction: From->To
Line Outage: BASE CASE
Flowgate: 53183531331BASECASE3108SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	6.7	6.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'FORT GIBSON 161KV'	42.4	0.01571	-0.15752	42
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01519	-0.157	42
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'TENKILLER FERRY 161KV'	16	0.01142	-0.15323	43
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01142	-0.15323	43
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'DENISON 138KV'	59.59999	0.00947	-0.15128	44
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'EUFAULA 138KV'	51	0.01013	-0.15194	44
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'EUFAULA 161KV'	25.5	0.01013	-0.15194	44
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.14647	45
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'BROKEN BOW 138KV'	93.6	0.00692	-0.14873	45
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'ROBERT S. KERR 161KV'	107.6	0.0069	-0.14871	45
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'OZARK 161KV'	98	0.00315	-0.14496	46
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.001	-0.14281	47
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'SIKESTON 161KV'	235	-0.00089	-0.14092	47
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'TRUMAN 161KV'	102	0.00079	-0.1426	47
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'DARDANELLE 161KV'	105.2	-0.00254	-0.13927	48
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'JONESBORO 161KV'	43	-0.00284	-0.13897	48
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'MCCARTNEY 161KV'	342.4351	-0.00445	-0.13736	48
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'STOCKTON 161KV'	44.3	-0.00371	-0.1381	48
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'GREERS FERRY 161KV'	93.6	-0.00504	-0.13677	49
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'JAMES RIVER 161KV'	159	-0.00506	-0.13675	49
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'JAMES RIVER 69KV'	233.6882	-0.00583	-0.13598	49
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'CARTHAGE 69KV'	32	-0.00801	-0.1338	50
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'NORFORK 161KV'	20	-0.01635	-0.12546	53
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'BULL SHOALS 161KV'	294	-0.02367	-0.11814	56
SWPA	'BEAVER 161KV'	21.3209	-0.14181	SWPA	'TABLE ROCK 161KV'	187.2	-0.03665	-0.10516	63
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01623	-0.09623	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01623	-0.09623	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'TULSA POWER STATION 138KV'	75	0.01437	-0.09437	70
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'TULSA POWER STATION 138KV'	147	0.01437	-0.09437	70
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'COGENTRIX 345KV'	865	0.01367	-0.09367	71
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01415	-0.09415	71
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'OEC 345KV'	456	0.0134	-0.0934	71
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'RIVERSIDE STATION 138KV'	646	0.01397	-0.09397	71
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'WELEETKA 138KV'	84	0.01155	-0.09155	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'COMANCHE 138KV'	160	0.00971	-0.08971	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'COMANCHE 69KV'	63	0.00973	-0.08973	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'SLEEPING BEAR 138KV'	80	0.00985	-0.08985	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.00981	-0.08981	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'SOUTHWESTERN STATION 138KV'	277.6001	0.00981	-0.08981	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'WEATHERFORD 34KV'	148	0.00969	-0.08969	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'EASTMAN 138KV'	155	0.00385	-0.08385	79

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

AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'KNOXLEE 138KV'	265.3734	0.00382	-0.08382	79
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'LEBROCK 345KV'	315	0.00385	-0.08385	79
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'PIRKEY GENERATION 138KV'	490	0.00383	-0.08383	79
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'WELSH 345KV'	1044	0.00438	-0.08438	79
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'WILKES 138KV'	357.7468	0.00401	-0.08401	79
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'WILKES 345KV'	311	0.00392	-0.08392	79
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'FITZHUGH 161KV'	126	0.00317	-0.08317	80
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'LIEBERMAN 138KV'	91	0.00349	-0.08349	80
AEPW	'AH-CC_ST18.0 138KV'	550	0.0034	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06307	105
AEPW	'ARSENAL HILL 69KV'	75	0.00341	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06306	105
AEPW	'2006-10 24.0 115KV'	620	0.0037	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06277	106
AEPW	'EASTMAN 138KV'	330.01	0.00385	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06262	106
AEPW	'KNOXLEE 138KV'	97.62659	0.00382	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06265	106
AEPW	'KNOXLEE 138KV'	60	0.00382	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06265	106
AEPW	'LEBROCK 345KV'	382	0.00385	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06262	106
AEPW	'LIEBERMAN 138KV'	137	0.00349	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06298	106
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.00365	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06282	106
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00407	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.0624	107
AEPW	'WILKES 138KV'	105.2532	0.00401	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06246	107
AEPW	'KIOWA 345KV'	1348	0.00938	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.05709	117
AEPW	'SOUTHWESTERN STATION 138KV'	145.3999	0.00981	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.05666	117
AEPW	'SOUTHWESTERN STATION 138KV'	168	0.00981	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.05666	117
AEPW	'WELEETKA 138KV'	58	0.01155	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.05492	121
AEPW	'OEC 345KV'	754	0.0134	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.05307	125
AEPW	'RIVERSIDE STATION 138KV'	76.00003	0.01397	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.0525	127
AEPW	'RVRSIDEG13.8 138KV'	172	0.01397	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.0525	127
AEPW	'TULSA POWER STATION 138KV'	72	0.01437	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.0521	128
AEPW	'MID-CONTINENT 138KV'	142.11	0.01939	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.04708	141

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: BEN279 - GENTRY REC 161KV CKT 1
Direction: To->From
Line Outage: FLINT CREEK - TONTITOWN 161KV CKT 1
Flowgate: 5318353187153139531701 3108SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	8.3	8.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.25635	32
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01919	-0.18747	44
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01919	-0.18747	44
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'COGENTRIX 345KV'	865	0.01468	-0.18296	45
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01614	-0.18442	45
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'RIVERSIDE STATION 138KV'	646	0.01519	-0.18347	45
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'TULSA POWER STATION 138KV'	147	0.01578	-0.18406	45
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'TULSA POWER STATION 138KV'	75	0.01578	-0.18406	45
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'FORT GIBSON 161KV'	42.4	0.01798	-0.18383	45
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01718	-0.18303	45
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'COMANCHE 138KV'	160	0.01057	-0.17885	46
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'COMANCHE 69KV'	63	0.01059	-0.17887	46
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'OEC 345KV'	456	0.01391	-0.18219	46
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'SLEEPING BEAR 138KV'	80	0.01092	-0.1792	46
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.01069	-0.17897	46
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'SOUTHWESTERN STATION 138KV'	277.6001	0.01069	-0.17897	46
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WEATHERFORD 34KV'	148	0.01064	-0.17892	46
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WELEETKA 138KV'	84	0.01257	-0.18085	46
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'DENISON 138KV'	59.59999	0.01018	-0.17603	47
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'EUFAULA 138KV'	51	0.01074	-0.17659	47
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'EUFAULA 161KV'	25.5	0.01074	-0.17659	47
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'TENKILLER FERRY 161KV'	16	0.01234	-0.17819	47
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01234	-0.17819	47
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'EASTMAN 138KV'	155	0.00388	-0.17216	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'FULTON 115KV'	24.99999	0.00311	-0.17139	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'KNOXLEE 138KV'	265.3734	0.00384	-0.17212	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'LEBROCK 345KV'	315	0.00387	-0.17215	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'LIEBERMAN 138KV'	91	0.00348	-0.17176	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'NARROWS 69KV'	22	0.00504	-0.17332	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'PIRKEY GENERATION 138KV'	490	0.00386	-0.17214	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WELSH 345KV'	1044	0.00445	-0.17273	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WILKES 138KV'	357.7468	0.00404	-0.17232	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'WILKES 345KV'	311	0.00395	-0.17223	48
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'BROKEN BOW 138KV'	93.6	0.00727	-0.17312	48
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00663	-0.17248	48
AEPW	'AEP-CT0613.8 161KV'	510	-0.16828	AEPW	'FITZHUGH 161KV'	126	0.00234	-0.17062	49
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'OZARK 161KV'	98	0.00232	-0.16817	49
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.00178	-0.16763	50
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'SIKESTON 161KV'	235	-0.00083	-0.16502	50
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'TRUMAN 161KV'	102	0.00182	-0.16767	50
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'DARDANELLE 161KV'	105.2	-0.0037	-0.16215	51
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'JAMES RIVER 161KV'	159	-0.00387	-0.16198	51
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'JONESBORO 161KV'	43	-0.0033	-0.16255	51
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'MCCARTNEY 161KV'	342.4351	-0.00327	-0.16258	51
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'STOCKTON 161KV'	44.3	-0.00289	-0.16296	51
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'CARTHAGE 69KV'	32	-0.00742	-0.15843	52
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'GREERS FERRY 161KV'	93.6	-0.00616	-0.15969	52
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'JAMES RIVER 69KV'	233.6882	-0.0048	-0.16105	52
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'NORFORK 161KV'	20	-0.01865	-0.1472	56
SWPA	'BEAVER 161KV'	21.3209	-0.16585	SWPA	'BULL SHOALS 161KV'	294	-0.02705	-0.1388	60
AEPW	'2006-10 24.0 115KV'	620	0.0037	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08437	98
AEPW	'AH-CC_ST18.0 138KV'	550	0.00339	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08468	98
AEPW	'ARSENAL HILL 69KV'	75	0.00339	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08468	98
AEPW	'LIEBERMAN 138KV'	137	0.00348	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08459	98
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.00366	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08441	98
AEPW	'EASTMAN 138KV'	330.01	0.00388	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08419	99
AEPW	'KNOXLEE 138KV'	97.62659	0.00384	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08423	99
AEPW	'KNOXLEE 138KV'	60	0.00384	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08423	99
AEPW	'LEBROCK 345KV'	382	0.00387	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.0842	99
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00411	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08396	99
AEPW	'WILKES 138KV'	105.2532	0.00404	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.08403	99
AEPW	'KIOWA 345KV'	1348	0.00982	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07825	106
AEPW	'SOUTHWESTERN STATION 138KV'	145.3999	0.01069	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07738	107
AEPW	'SOUTHWESTERN STATION 138KV'	168	0.01069	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07738	107
AEPW	'WELEETKA 138KV'	58	0.01257	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.0755	110
AEPW	'OEC 345KV'	754	0.01391	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07416	112
AEPW	'RIVERSIDE STATION 138KV'	76.00003	0.01519	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07288	114
AEPW	'RVRSIDEG13.8 138KV'	172	0.01519	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07288	114

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

AEPW	'TULSA POWER STATION 138KV'	72	0.01578	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.07229	115
AEPW	'MID-CONTINENT 138KV'	142.11	0.02413	AEPW	'FLINT CREEK 161KV'	428	0.08807	-0.06394	130

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: BEN279 - GENTRY REC 161KV CKT 1
Direction: To->From
Line Outage: CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1
Flowgate: 5318353187153154531951230 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	7.8	7.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.16798	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'FORT GIBSON 161KV'	42.4	0.01734	-0.1697	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01742	-0.16978	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TENKILLER FERRY 161KV'	16	0.01262	-0.16498	47
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01262	-0.16498	47
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'DENISON 138KV'	59.59999	0.01116	-0.16352	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'EUFAULA 138KV'	51	0.01121	-0.16357	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'EUFAULA 161KV'	25.5	0.01121	-0.16357	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'BROKEN BOW 138KV'	93.6	0.00819	-0.16055	49
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00726	-0.15962	49
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'OZARK 161KV'	98	0.00303	-0.15539	50
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.00092	-0.15328	51
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TRUMAN 161KV'	102	0.00061	-0.15297	51
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'DARDANELLE 161KV'	105.2	-0.00281	-0.14955	52
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JONESBORO 161KV'	63	-0.00311	-0.14925	52
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'SIKESTON 161KV'	235	-0.00104	-0.15132	52
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'GREERS FERRY 161KV'	93.6	-0.00543	-0.14693	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JAMES RIVER 161KV'	159	-0.00634	-0.14602	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'MCCARTNEY 161KV'	342.4351	-0.00562	-0.14674	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'STOCKTON 161KV'	44.3	-0.00452	-0.14784	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JAMES RIVER 69KV'	233.6244	-0.00715	-0.14521	54
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'CARTHAGE 69KV'	32	-0.00936	-0.143	55
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'NORFORK 161KV'	20	-0.01782	-0.13454	58
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'BULL SHOALS 161KV'	294	-0.02576	-0.1266	62
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01804	-0.12011	65
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01804	-0.12011	65
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COGENTRIX 345KV'	865	0.01629	-0.11836	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01622	-0.11829	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'OEC 345KV'	369	0.01641	-0.11848	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'RIVERSIDE STATION 138KV'	722	0.01649	-0.11856	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'TULSA POWER STATION 138KV'	147	0.01684	-0.11891	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'TULSA POWER STATION 138KV'	147	0.01684	-0.11891	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WELEETKA 138KV'	84	0.01338	-0.11545	68
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COMANCHE 138KV'	160	0.01144	-0.11351	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COMANCHE 69KV'	63	0.01146	-0.11353	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'SOUTHWESTERN STATION 138KV'	422.8001	0.01154	-0.11361	69
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TABLE ROCK 161KV'	187.2	-0.03993	-0.11243	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'ARSENAL HILL 69KV'	90	0.00411	-0.10618	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'EASTMAN 138KV'	155	0.00464	-0.10671	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'KNOXLEE 138KV'	299.6278	0.0046	-0.10667	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'LEBROCK 345KV'	315	0.00463	-0.1067	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'LIEBERMAN 138KV'	176	0.00421	-0.10628	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'PIRKEY GENERATION 138KV'	490	0.00462	-0.10669	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WELSH 345KV'	1044	0.00527	-0.10734	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WILKES 138KV'	441.7656	0.00482	-0.10689	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WILKES 345KV'	311	0.00472	-0.10679	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FITZHUGH 161KV'	126	0.00305	-0.10512	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FULTON 115KV'	24.99999	0.0038	-0.10587	74
AEPW	'AH-CC_ST18.0 138KV'	550	0.0041	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06181	126
AEPW	'LIEBERMAN 138KV'	52	0.00421	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.0617	126
AEPW	'2006-10 24.0 115KV'	620	0.00444	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06147	127
AEPW	'EASTMAN 138KV'	330.01	0.00464	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06127	127
AEPW	'KNOXLEE 138KV'	60	0.0046	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06131	127
AEPW	'LEBROCK 345KV'	382	0.00463	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06128	127
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.0044	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06151	127
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00489	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06102	128
AEPW	'KIOWA 345KV'	1348	0.01129	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05462	143
AEPW	'SOUTHWESTERN STATION 138KV'	336	0.01154	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05437	144
AEPW	'WELEETKA 138KV'	58	0.01338	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05253	149
AEPW	'OEC 345KV'	841	0.01641	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.0495	158
AEPW	'RVRSIDEG13.8 138KV'	172	0.01649	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.04942	158
AEPW	'MID-CONTINENT 138KV'	142.11	0.02066	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.04525	172

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: BEN279 - GENTRY REC 161KV CKT 1
Direction: To->From
Line Outage: FARMING5 161 - SOUTH FAYETTEVILLE 161KV CKT 1
Flowgate: 5318353187153169531571230 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	7.1	7.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.16798	42
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'FORT GIBSON 161KV'	42.4	0.01734	-0.1697	42
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01742	-0.16978	42
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'DENISON 138KV'	59.59999	0.01116	-0.16352	43
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'EUFAULA 138KV'	51	0.01121	-0.16357	43
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'EUFAULA 161KV'	25.5	0.01121	-0.16357	43
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TENKILLER FERRY 161KV'	16	0.01262	-0.16498	43
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01262	-0.16498	43
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'BROKEN BOW 138KV'	93.6	0.00819	-0.16055	44
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00726	-0.15962	44
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.00092	-0.15328	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'OZARK 161KV'	98	0.00303	-0.15539	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TRUMAN 161KV'	102	0.00061	-0.15297	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'DARDANELLE 161KV'	105.2	-0.00281	-0.14955	47

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

SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'SIKESTON 161KV'	235	-0.00104	-0.15132	47
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'GREERS FERRY 161KV'	93.6	-0.00543	-0.14693	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JONESBORO 161KV'	63	-0.00311	-0.14925	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'MCCARTNEY 161KV'	342.4351	-0.00562	-0.14674	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'STOCKTON 161KV'	44.3	-0.00452	-0.14784	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JAMES RIVER 161KV'	159	-0.00634	-0.14602	49
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JAMES RIVER 69KV'	233.6244	-0.00715	-0.14521	49
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'CARTHAGE 69KV'	32	-0.00936	-0.143	50
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'NORFORK 161KV'	20	-0.01782	-0.13454	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'BULL SHOALS 161KV'	294	-0.02576	-0.1266	56
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01804	-0.12011	59
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01804	-0.12011	59
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COGENTRIX 345KV'	865	0.01629	-0.11836	60
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01622	-0.11829	60
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'OEC 345KV'	369	0.01641	-0.11848	60
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'RIVERSIDE STATION 138KV'	722	0.01649	-0.11856	60
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'TULSA POWER STATION 138KV'	147	0.01684	-0.11891	60
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'TULSA POWER STATION 138KV'	147	0.01684	-0.11891	60
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WELEETKA 138KV'	84	0.01338	-0.11545	61
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COMANCHE 138KV'	160	0.01144	-0.11351	62
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COMANCHE 69KV'	63	0.01146	-0.11353	62
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'SOUTHWESTERN STATION 138KV'	422.8001	0.01154	-0.11361	62
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TABLE ROCK 161KV'	187.2	-0.03993	-0.11243	63
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'EASTMAN 138KV'	155	0.00464	-0.10671	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'KNOXLEE 138KV'	299.6278	0.0046	-0.10667	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'LEBROCK 345KV'	315	0.00463	-0.1067	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NARROWS 69KV'	22	0.00587	-0.10794	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'PIRKEY GENERATION 138KV'	490	0.00462	-0.10669	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WELSH 345KV'	1044	0.00527	-0.10734	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WILKES 138KV'	441.7656	0.00482	-0.10689	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WILKES 345KV'	311	0.00472	-0.10679	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'ARSENAL HILL 69KV'	90	0.00411	-0.10618	67
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FITZHUGH 161KV'	126	0.00305	-0.10512	67
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FULTON 115KV'	24.99999	0.0038	-0.10587	67
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'LIEBERMAN 138KV'	176	0.00421	-0.10628	67
AEPW	'2006-10 24.0 115KV'	620	0.00444	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06147	115
AEPW	'AH-CC ST18.0 138KV'	550	0.0041	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06181	115
AEPW	'LIEBERMAN 138KV'	52	0.00421	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.0617	115
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.0044	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06151	115
AEPW	'EASTMAN 138KV'	330.01	0.00464	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06127	116
AEPW	'KNOXLEE 138KV'	41.37219	0.0046	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06131	116
AEPW	'KNOXLEE 138KV'	60	0.0046	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06131	116
AEPW	'LEBROCK 345KV'	382	0.00463	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06128	116
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00489	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06102	116
AEPW	'KIOWA 345KV'	1348	0.01129	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05462	130
AEPW	'SOUTHWESTERN STATION 138KV'	336	0.01154	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05437	130
AEPW	'WELEETKA 138KV'	58	0.01338	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05253	135
AEPW	'OEC 345KV'	841	0.01641	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.0495	143
AEPW	'RVRSIDEG13.8 138KV'	172	0.01649	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.04942	143
AEPW	'MID-CONTINENT 138KV'	142.11	0.02066	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.04525	157

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: BEN279 - GENTRY REC 161KV CKT 1
Direction: To->From
Line Outage: FARMING5 161 - FARMINGTON AECC 161KV CKT 1
Flowgate: 5318353187153195531691230 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	7.1	7.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.16798	42
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'FORT GIBSON 161KV'	42.4	0.01734	-0.1697	42
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01742	-0.16978	42
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'DENISON 138KV'	59.59999	0.01116	-0.16352	43
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'EUFAULA 138KV'	51	0.01121	-0.16357	43
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'EUFAULA 161KV'	25.5	0.01121	-0.16357	43
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TENKILLER FERRY 161KV'	16	0.01262	-0.16498	43
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01262	-0.16498	43
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'BROKEN BOW 138KV'	93.6	0.00819	-0.16055	44
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'ROBERT S. KERR 161KV'	107.6	0.00726	-0.15962	44
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.00092	-0.15328	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'OZARK 161KV'	98	0.00303	-0.15539	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TRUMAN 161KV'	102	0.00061	-0.15297	46
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'DARDANELLE 161KV'	105.2	-0.00281	-0.14955	47
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'SIKESTON 161KV'	235	-0.00104	-0.15132	47
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'GREERS FERRY 161KV'	93.6	-0.00543	-0.14693	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JONESBORO 161KV'	63	-0.00311	-0.14925	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'MCCARTNEY 161KV'	342.4351	-0.00562	-0.14674	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'STOCKTON 161KV'	44.3	-0.00452	-0.14784	48
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JAMES RIVER 161KV'	159	-0.00634	-0.14602	49
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'JAMES RIVER 69KV'	233.6244	-0.00715	-0.14521	49
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'CARTHAGE 69KV'	32	-0.00936	-0.143	50
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'NORFORK 161KV'	20	-0.01782	-0.13454	53
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'BULL SHOALS 161KV'	294	-0.02576	-0.1266	56
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01804	-0.12011	59
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01804	-0.12011	59
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COGENTRIX 345KV'	865	0.01629	-0.11836	60
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01622	-0.11829	60
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'OEC 345KV'	369	0.01641	-0.11848	60
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'RIVERSIDE STATION 138KV'	722	0.01649	-0.11856	60
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'TULSA POWER STATION 138KV'	147	0.01684	-0.11891	60
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'TULSA POWER STATION 138KV'	147	0.01684	-0.11891	60
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WELEETKA 138KV'	84	0.01338	-0.11545	61
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COMANCHE 138KV'	160	0.01144	-0.11351	62
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'COMANCHE 69KV'	63	0.01146	-0.11353	62
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'SOUTHWESTERN STATION 138KV'	422.8001	0.01154	-0.11361	62
SWPA	'BEAVER 161KV'	23.70832	-0.15236	SWPA	'TABLE ROCK 161KV'	187.2	-0.03993	-0.11243	63
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'EASTMAN 138KV'	155	0.00464	-0.10671	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'KNOXLEE 138KV'	299.6278	0.0046	-0.10667	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'LEBROCK 345KV'	315	0.00463	-0.1067	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'NARROWS 69KV'	22	0.00587	-0.10794	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'PIRKEY GENERATION 138KV'	490	0.00462	-0.10669	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WELSH 345KV'	1044	0.00527	-0.10734	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WILKES 138KV'	441.7656	0.00482	-0.10689	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'WILKES 345KV'	311	0.00472	-0.10679	66
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'ARSENAL HILL 69KV'	90	0.00411	-0.10618	67

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

AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FITZHUGH 161KV'	126	0.00305	-0.10512	67
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'FULTON 115KV'	24.99999	0.0038	-0.10587	67
AEPW	'AEP-CT0613.8 161KV'	510	-0.10207	AEPW	'LIEBERMAN 138KV'	176	0.00421	-0.10628	67
AEPW	'2006-10 24.0 115KV'	620	0.00444	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06147	115
AEPW	'AH-CC_ST18.0 138KV'	550	0.0041	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06181	115
AEPW	'LIEBERMAN 138KV'	52	0.00421	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.0617	115
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.0044	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06151	115
AEPW	'EASTMAN 138KV'	330.01	0.00464	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06127	116
AEPW	'KNOXLEE 138KV'	41.37219	0.0046	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06131	116
AEPW	'KNOXLEE 138KV'	60	0.0046	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06131	116
AEPW	'LEBROCK 345KV'	382	0.00463	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06128	116
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00489	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.06102	116
AEPW	'KIOWA 345KV'	1348	0.01129	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05462	130
AEPW	'SOUTHWESTERN STATION 138KV'	336	0.01154	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05437	130
AEPW	'WELEETKA 138KV'	58	0.01338	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.05253	135
AEPW	'OEC 345KV'	841	0.01641	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.0495	143
AEPW	'RVRSIDEG13.8 138KV'	172	0.01649	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.04942	143
AEPW	'MID-CONTINENT 138KV'	142.11	0.02066	AEPW	'FLINT CREEK 161KV'	428	0.06591	-0.04525	157

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

Upgrade: Chamber Springs - Tontitown 345 kV
Limiting Facility: BEN279 - GENTRY REC 161KV CKT 1
Direction: To->From
Line Outage: BASE CASE
Flowgate: 53183531871BASECASE3408SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161136	6.7	6.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'FORT GIBSON 161KV'	42.4	0.01571	-0.15752	42
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'KEYSTONE DAM 161KV'	59.59999	0.01519	-0.157	42
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'TENKILLER FERRY 161KV'	16	0.01142	-0.15323	43
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'WEBBERS FALLS 161KV'	39.2	0.01142	-0.15323	43
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'DENISON 138KV'	59.59999	0.00947	-0.15128	44
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'EUFAULA 138KV'	51	0.01013	-0.15194	44
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'EUFAULA 161KV'	25.5	0.01013	-0.15194	44
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.14647	45
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'BROKEN BOW 138KV'	93.6	0.00692	-0.14873	45
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'ROBERT S. KERR 161KV'	107.6	0.0069	-0.14871	45
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'OZARK 161KV'	98	0.00315	-0.14496	46
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	0.001	-0.14281	47
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'SIKESTON 161KV'	235	-0.00089	-0.14092	47
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'TRUMAN 161KV'	102	0.00079	-0.1426	47
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'DARDANELLE 161KV'	105.2	-0.00254	-0.13927	48
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'JONESBORO 161KV'	43	-0.00284	-0.13897	48
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'MCCARTNEY 161KV'	342.4351	-0.00445	-0.13736	48
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'STOCKTON 161KV'	44.3	-0.00371	-0.1381	48
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'GREERS FERRY 161KV'	93.6	-0.00504	-0.13677	49
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'JAMES RIVER 161KV'	159	-0.00506	-0.13675	49
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'JAMES RIVER 69KV'	232.9832	-0.00583	-0.13598	49
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'CARTHAGE 69KV'	32	-0.00801	-0.1338	50
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'NORFORK 161KV'	20	-0.01635	-0.12546	53
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'BULL SHOALS 161KV'	294	-0.02367	-0.11814	56
SWPA	'BEAVER 161KV'	21.4753	-0.14181	SWPA	'TABLE ROCK 161KV'	187.2	-0.03665	-0.10516	63
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'NORTHEASTERN STATION 138KV'	405	0.01623	-0.09623	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'NORTHEASTERN STATION 138KV'	95	0.01623	-0.09623	69
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'TULSA POWER STATION 138KV'	38	0.01437	-0.09437	70
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'TULSA POWER STATION 138KV'	72.6001	0.01437	-0.09437	70
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'COGENTRIX 345KV'	504	0.01367	-0.09367	71
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01415	-0.09415	71
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'OEC 345KV'	469	0.0134	-0.0934	71
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'RIVERSIDE STATION 138KV'	482	0.01397	-0.09397	71
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'WELEETKA 138KV'	84	0.01155	-0.09155	73
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'COMANCHE 138KV'	160	0.00971	-0.08971	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'COMANCHE 69KV'	63	0.00973	-0.08973	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'SLEEPING BEAR 138KV'	80	0.00985	-0.08985	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'SOUTHWESTERN STATION 138KV'	200	0.00981	-0.08981	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'SOUTHWESTERN STATION 138KV'	168	0.00981	-0.08981	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'WEATHERFORD 34KV'	148	0.00969	-0.08969	74
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'EASTMAN 138KV'	355	0.00385	-0.08385	79
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'KNOXLEE 138KV'	159.6975	0.00382	-0.08382	79
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'LEBROCK 345KV'	465	0.00385	-0.08385	79
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'PIRKEY GENERATION 138KV'	490	0.00383	-0.08383	79
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'WELSH 345KV'	1044	0.00438	-0.08438	79
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'WILKES 138KV'	208.3556	0.00401	-0.08401	79
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'WILKES 345KV'	253	0.00392	-0.08392	79
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'FITZHUGH 161KV'	126	0.00317	-0.08317	80
AEPW	'AEP-CT0613.8 161KV'	510	-0.08	AEPW	'LIEBERMAN 138KV'	73.99999	0.00349	-0.08349	80
AEPW	'AH-CC_ST18.0 138KV'	550	0.0034	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06307	105
AEPW	'ARSENAL HILL 69KV'	99	0.00341	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06306	105
AEPW	'2006-10 24.0 115KV'	620	0.0037	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06277	106
AEPW	'EASTMAN 138KV'	130.01	0.00385	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06262	106
AEPW	'KNOXLEE 138KV'	203.3025	0.00382	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06265	106
AEPW	'KNOXLEE 138KV'	60	0.00382	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06265	106
AEPW	'LEBROCK 345KV'	232	0.00385	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06262	106
AEPW	'LIEBERMAN 138KV'	154	0.00349	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06298	106
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.00365	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06282	106
AEPW	'WILKES 345KV'	58	0.00392	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06255	106
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.00407	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.0624	107
AEPW	'WILKES 138KV'	254.6444	0.00401	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.06246	107
AEPW	'KIOWA 345KV'	1348	0.00938	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.05709	117
AEPW	'SOUTHWESTERN STATION 138KV'	223	0.00981	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.05666	117
AEPW	'SOUTHWESTERN STATION 138KV'	168	0.00981	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.05666	117
AEPW	'WELEETKA 138KV'	58	0.01155	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.05492	121
AEPW	'OEC 345KV'	741	0.0134	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.05307	125
AEPW	'COGENTRIX 345KV'	390	0.01367	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.0528	126
AEPW	'RIVERSIDE STATION 138KV'	240	0.01397	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.0525	127
AEPW	'RVRSIDEG13.8 138KV'	172	0.01397	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.0525	127
AEPW	'TULSA POWER STATION 138KV'	109	0.01437	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.0521	128
AEPW	'TULSA POWER STATION 138KV'	74.3999	0.01437	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.0521	128
AEPW	'MID-CONTINENT 138KV'	142.11	0.01939	AEPW	'FLINT CREEK 161KV'	428	0.06647	-0.04708	141

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

Upgrade: CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1 & CLAY CENTER - GREENLEAF 115KV CKT 1

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

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
1167662	1.7	2.2
1167664	0.5	2.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CHANUTE 69KV'	46.617	-0.00059	-0.87876	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00084	-0.87851	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF BURLINGTON 69KV'	4.8	-0.00067	-0.87868	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF ERIE 69KV'	23.258	-0.00059	-0.87876	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF FREDONIA 69KV'	2.496	-0.00067	-0.87868	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF GIRARD 69KV'	2.989	-0.00057	-0.87878	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF IOLA 69KV'	19.865	-0.00052	-0.87883	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00183	-0.87752	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.00205	-0.8773	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CLAY CENTER JUNCTION 115KV'	11.825	-0.00849	-0.87086	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00067	-0.87868	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.00181	-0.87754	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00169	-0.87766	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00193	-0.87742	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00179	-0.88114	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	0.00132	-0.88067	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	0.00423	-0.88358	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'WACO 138KV'	17.947	-0.00253	-0.87682	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'COLBY 115KV'	3.742632	-0.02833	-0.85102	3
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	-0.0258	-0.85355	3
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'KNOLL 3 115 115KV'	25	-0.06968	-0.80967	3
WEPL	'CLIFTON 115KV'	70	-0.55321	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05351	-0.4997	4
WEPL	'CLIFTON 115KV'	70	-0.55321	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02842	-0.52479	4
WEPL	'CLIFTON 115KV'	70	-0.55321	WEPL	'JUDSON LARGE 115KV'	99.9424	-0.02839	-0.52482	4
WEPL	'GREENLEAF 115KV'	14.2	-0.62449	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05351	-0.57098	4
WEPL	'GREENLEAF 115KV'	14.2	-0.62449	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02842	-0.59607	4
WEPL	'GREENLEAF 115KV'	14.2	-0.62449	WEPL	'JUDSON LARGE 115KV'	99.9424	-0.02839	-0.5961	4
WEPL	'BELOIT 115KV'	16.6	-0.38943	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05351	-0.33592	6
WEPL	'BELOIT 115KV'	16.6	-0.38943	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02842	-0.36101	6
WEPL	'BELOIT 115KV'	16.6	-0.38943	WEPL	'JUDSON LARGE 115KV'	99.9424	-0.02839	-0.36104	6
WEPL	'SMITH CENTER 115KV'	6.15	-0.29288	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02842	-0.26446	8
WEPL	'SMITH CENTER 115KV'	6.15	-0.29288	WEPL	'JUDSON LARGE 115KV'	99.9424	-0.02839	-0.26449	8
WEPL	'SMITH CENTER 115KV'	6.15	-0.29288	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05351	-0.23937	9
WEPL	'RUSSELL 115KV'	27.9	-0.14239	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02842	-0.11397	19
WEPL	'RUSSELL 115KV'	27.9	-0.14239	WEPL	'JUDSON LARGE 115KV'	99.9424	-0.02839	-0.114	19
WEPL	'RUSSELL 115KV'	27.9	-0.14239	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05351	-0.08888	24
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	0.00423	-0.07391	29
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00179	-0.07147	30
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'CHANUTE 69KV'	46.617	-0.00059	-0.06909	31
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'CITY OF ERIE 69KV'	23.258	-0.00059	-0.06909	31
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'CITY OF IOLA 69KV'	19.865	-0.00052	-0.06916	31
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00067	-0.06901	31
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	0.00132	-0.071	31
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00084	-0.06884	32
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.00205	-0.06763	32
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.00181	-0.06787	32
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00169	-0.06799	32
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00193	-0.06775	32
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'WACO 138KV'	17.947	-0.00253	-0.06715	32
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'CLAY CENTER JUNCTION 115KV'	11.825	-0.00849	-0.06119	35
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	-0.0258	-0.04388	49
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	0.00423	-0.04258	51
WERE	'RICE 115KV'	999	-0.03835	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	0.00423	-0.04258	51
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00179	-0.04014	54
WERE	'RICE 115KV'	999	-0.03835	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00179	-0.04014	54
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	0.00132	-0.03967	55
WERE	'RICE 115KV'	999	-0.03835	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	0.00132	-0.03967	55
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'CHANUTE 69KV'	46.617	-0.00059	-0.03776	57
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'CITY OF ERIE 69KV'	23.258	-0.00059	-0.03776	57
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'CITY OF IOLA 69KV'	19.865	-0.00052	-0.03783	57
WERE	'RICE 115KV'	999	-0.03835	WERE	'CHANUTE 69KV'	46.617	-0.00059	-0.03776	57
WERE	'RICE 115KV'	999	-0.03835	WERE	'CITY OF ERIE 69KV'	23.258	-0.00059	-0.03776	57
WERE	'RICE 115KV'	999	-0.03835	WERE	'CITY OF IOLA 69KV'	19.865	-0.00052	-0.03783	57
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00084	-0.03751	58
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00067	-0.03768	58
WERE	'RICE 115KV'	999	-0.03835	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00084	-0.03751	58
WERE	'RICE 115KV'	999	-0.03835	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00067	-0.03768	58
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.00181	-0.03654	59
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00169	-0.03666	59
WERE	'RICE 115KV'	999	-0.03835	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.00181	-0.03654	59
WERE	'RICE 115KV'	999	-0.03835	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00169	-0.03666	59
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.00205	-0.0363	60
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00193	-0.03642	60
WERE	'RICE 115KV'	999	-0.03835	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.00205	-0.0363	60
WERE	'RICE 115KV'	999	-0.03835	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00193	-0.03642	60
WERE	'SMOKYHIL 230 230KV'	72	-0.03042	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	0.00423	-0.03465	63
WERE	'SMOKYHIL 230 230KV'	72	-0.03042	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00179	-0.03221	67
WERE	'SMOKYHIL 230 230KV'	72	-0.03042	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	0.00132	-0.03174	68
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0258	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	0.00423	-0.03003	72
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.02581	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	0.00423	-0.03004	72

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

Upgrade: CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1 & CLAY CENTER - GREENLEAF 115KV CKT 1
Limiting Facility: KELLY - SOUTH SENECA 115KV CKT 1
Direction: From->To
Line Outage: CONCORDIA (CONCORD6) 230/115/13.8KV TRANSFORMER CKT 1
Flowgate: 57217573371CONCNCORD66312207SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1167662	1.7	2.2
1167664	0.5	2.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CHANUTE 69KV'	46.617	-0.00059	-0.87876	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00084	-0.87851	2

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

WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF BURLINGTON 69KV'	4.8	-0.00067	-0.87868	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF ERIE 69KV'	23.258	-0.00059	-0.87876	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF FREDONIA 69KV'	2.496	-0.00067	-0.87868	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF GIRARD 69KV'	2.989	-0.00057	-0.87878	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF IOLA 69KV'	19.865	-0.00052	-0.87883	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00183	-0.87752	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.00205	-0.8773	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'CLAY CENTER JUNCTION 115KV'	11.825	-0.00849	-0.87086	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00067	-0.87868	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.00181	-0.87754	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00169	-0.87766	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00193	-0.87742	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00179	-0.88114	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	0.00132	-0.88067	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	0.00423	-0.88358	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'WACO 138KV'	17.947	-0.00253	-0.87682	2
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'COLBY 115KV'	3.742632	-0.02833	-0.85102	3
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	-0.0258	-0.85355	3
WERE	'SOUTH SENECA 115KV'	16.7	-0.87935	WERE	'KNOLL 3 115 115KV'	25	-0.06968	-0.80967	3
WEPL	'CLIFTON 115KV'	70	-0.55321	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05351	-0.4997	4
WEPL	'CLIFTON 115KV'	70	-0.55321	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02842	-0.52479	4
WEPL	'CLIFTON 115KV'	70	-0.55321	WEPL	'JUDSON LARGE 115KV'	99.9424	-0.02839	-0.52482	4
WEPL	'GREENLEAF 115KV'	14.2	-0.62449	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05351	-0.57098	4
WEPL	'GREENLEAF 115KV'	14.2	-0.62449	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02842	-0.59607	4
WEPL	'GREENLEAF 115KV'	14.2	-0.62449	WEPL	'JUDSON LARGE 115KV'	99.9424	-0.02839	-0.5961	4
WEPL	'BELOIT 115KV'	16.6	-0.38943	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05351	-0.33592	6
WEPL	'BELOIT 115KV'	16.6	-0.38943	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02842	-0.36101	6
WEPL	'BELOIT 115KV'	16.6	-0.38943	WEPL	'JUDSON LARGE 115KV'	99.9424	-0.02839	-0.36104	6
WEPL	'SMITH CENTER 115KV'	6.15	-0.29288	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02842	-0.26446	8
WEPL	'SMITH CENTER 115KV'	6.15	-0.29288	WEPL	'JUDSON LARGE 115KV'	99.9424	-0.02839	-0.26449	8
WEPL	'SMITH CENTER 115KV'	6.15	-0.29288	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05351	-0.23937	9
WEPL	'RUSSELL 115KV'	27.9	-0.14239	WEPL	'GRAY COUNTY WIND FARM 115KV'	73	-0.02842	-0.11397	19
WEPL	'RUSSELL 115KV'	27.9	-0.14239	WEPL	'JUDSON LARGE 115KV'	99.9424	-0.02839	-0.114	19
WEPL	'RUSSELL 115KV'	27.9	-0.14239	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05351	-0.08888	24
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	0.00423	-0.07391	29
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00179	-0.07147	30
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'CHANUTE 69KV'	46.617	-0.00059	-0.06909	31
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'CITY OF ERIE 69KV'	23.258	-0.00059	-0.06909	31
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'CITY OF IOLA 69KV'	19.865	-0.00052	-0.06916	31
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00067	-0.06901	31
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	0.00132	-0.071	31
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00084	-0.06884	32
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.00205	-0.06763	32
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.00181	-0.06787	32
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00169	-0.06799	32
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00193	-0.06775	32
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'WACO 138KV'	17.947	-0.00253	-0.06715	32
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'CLAY CENTER JUNCTION 115KV'	11.825	-0.00849	-0.06119	35
WERE	'KNOLL 3 115 115KV'	209.36	-0.06968	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	-0.0258	-0.04388	49
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	0.00423	-0.04258	51
WERE	'RICE 115KV'	999	-0.03835	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	0.00423	-0.04258	51
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00179	-0.04014	54
WERE	'RICE 115KV'	999	-0.03835	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00179	-0.04014	54
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	0.00132	-0.03967	55
WERE	'RICE 115KV'	999	-0.03835	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	0.00132	-0.03967	55
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'CHANUTE 69KV'	46.617	-0.00059	-0.03776	57
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'CITY OF ERIE 69KV'	23.258	-0.00059	-0.03776	57
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'CITY OF IOLA 69KV'	19.865	-0.00052	-0.03783	57
WERE	'RICE 115KV'	999	-0.03835	WERE	'CHANUTE 69KV'	46.617	-0.00059	-0.03776	57
WERE	'RICE 115KV'	999	-0.03835	WERE	'CITY OF ERIE 69KV'	23.258	-0.00059	-0.03776	57
WERE	'RICE 115KV'	999	-0.03835	WERE	'CITY OF IOLA 69KV'	19.865	-0.00052	-0.03783	57
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00084	-0.03751	58
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00067	-0.03768	58
WERE	'RICE 115KV'	999	-0.03835	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00084	-0.03751	58
WERE	'RICE 115KV'	999	-0.03835	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00067	-0.03768	58
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.00181	-0.03654	59
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00169	-0.03666	59
WERE	'RICE 115KV'	999	-0.03835	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.00181	-0.03654	59
WERE	'RICE 115KV'	999	-0.03835	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00169	-0.03666	59
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.00205	-0.0363	60
WERE	'PAWNEE 115KV'	999	-0.03835	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00193	-0.03642	60
WERE	'RICE 115KV'	999	-0.03835	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.00205	-0.0363	60
WERE	'RICE 115KV'	999	-0.03835	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00193	-0.03642	60
WERE	'SMOKYHIL 230 230KV'	72	-0.03042	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	0.00423	-0.03465	63
WERE	'SMOKYHIL 230 230KV'	72	-0.03042	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00179	-0.03221	67
WERE	'SMOKYHIL 230 230KV'	72	-0.03042	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	0.00132	-0.03174	68
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.0258	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	0.00423	-0.03003	72
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.02581	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	0.00423	-0.03004	72

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

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

Reservation	Relief Amount	Aggregate Relief Amount
1161666	0.5	1.0
1161667	0.5	1.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
GRDA	'PENSACOLA 69KV'	63	-0.10109	GRDA	'BOOMER 69KV'	24	0.00344	-0.10453	9
GRDA	'PENSACOLA 69KV'	63	-0.10109	GRDA	'GRDA1 161KV'	56.41391	0.0008	-0.10189	9
GRDA	'PENSACOLA 69KV'	63	-0.10109	GRDA	'GRDA1 345KV'	100	0.001	-0.10209	9
GRDA	'PENSACOLA 69KV'	63	-0.10109	GRDA	'KERR 161KV'	13.5	-0.00195	-0.09914	9
GRDA	'PENSACOLA 69KV'	63	-0.10109	GRDA	'SALINA 161KV'	23.21039	-0.00195	-0.09914	9
GRDA	'PENSACOLA 69KV'	63	-0.10109	GRDA	'KERR 115KV'	13.5	-0.00752	-0.09357	10
GRDA	'PENSACOLA 69KV'	63	-0.10109	GRDA	'PENSACOLA 161KV'	11	-0.02702	-0.07407	13
GRDA	'PENSACOLA 161KV'	42	-0.02702	GRDA	'BOOMER 69KV'	24	0.00344	-0.03046	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: CLAREMORE (CLRAUTO3) 161/69/13.8KV TRANSFORMER CKT 3
Limiting Facility: CLAREMORE (CLRAUTO1) 161/69/13.8KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: CLAREMORE (CLRAUTO2) 161/69/13.8KV TRANSFORMER CKT 2

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

Flowgate: CLARAUTO12521CLARAUTO25223308SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161666	1.0	2.1
1161667	1.0	2.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
GRDA	'PENSACOLA 69KV'	63	-0.10108	GRDA	'BOOMER 69KV'	24	0.00343	-0.10451	20
GRDA	'PENSACOLA 69KV'	63	-0.10108	GRDA	'GRDA1 161KV'	71.29431	0.0008	-0.10188	20
GRDA	'PENSACOLA 69KV'	63	-0.10108	GRDA	'GRDA1 345KV'	100	0.001	-0.10208	20
GRDA	'PENSACOLA 69KV'	63	-0.10108	GRDA	'KERR 161KV'	13.5	-0.00195	-0.09913	21
GRDA	'PENSACOLA 69KV'	63	-0.10108	GRDA	'SALINA 161KV'	21.37774	-0.00195	-0.09913	21
GRDA	'PENSACOLA 69KV'	63	-0.10108	GRDA	'KERR 115KV'	13.5	-0.00752	-0.09356	22
GRDA	'PENSACOLA 69KV'	63	-0.10108	GRDA	'PENSACOLA 161KV'	11	-0.02701	-0.07407	28
GRDA	'PENSACOLA 161KV'	42	-0.02701	GRDA	'BOOMER 69KV'	24	0.00343	-0.03044	68

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

Upgrade: CLAREMORE (CLRAUTO3) 161/69/13.8KV TRANSFORMER CKT 3
Limiting Facility: CLAREMORE (CLRAUTO2) 161/69/13.8KV TRANSFORMER CKT 2
Direction: From->To
Line Outage: CLAREMORE (CLRAUTO1) 161/69/13.8KV TRANSFORMER CKT 1
Flowgate: CLARAUTO22522CLARAUTO15213307SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161666	0.7	1.3
1161667	0.6	1.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
GRDA	'PENSACOLA 69KV'	63	-0.10143	GRDA	'BOOMER 69KV'	24	0.00345	-0.10488	12
GRDA	'PENSACOLA 69KV'	63	-0.10143	GRDA	'GRDA1 161KV'	56.41391	0.0008	-0.10223	13
GRDA	'PENSACOLA 69KV'	63	-0.10143	GRDA	'GRDA1 345KV'	100	0.00101	-0.10244	13
GRDA	'PENSACOLA 69KV'	63	-0.10143	GRDA	'KERR 161KV'	13.5	-0.00195	-0.09948	13
GRDA	'PENSACOLA 69KV'	63	-0.10143	GRDA	'SALINA 161KV'	23.21039	-0.00195	-0.09948	13
GRDA	'PENSACOLA 69KV'	63	-0.10143	GRDA	'KERR 115KV'	13.5	-0.00755	-0.09388	14
GRDA	'PENSACOLA 69KV'	63	-0.10143	GRDA	'PENSACOLA 161KV'	11	-0.02711	-0.07432	17
GRDA	'PENSACOLA 161KV'	42	-0.02711	GRDA	'BOOMER 69KV'	24	0.00345	-0.03056	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: CLAREMORE (CLRAUTO3) 161/69/13.8KV TRANSFORMER CKT 3
Limiting Facility: CLAREMORE (CLRAUTO2) 161/69/13.8KV TRANSFORMER CKT 2
Direction: From->To
Line Outage: CLAREMORE (CLRAUTO1) 161/69/13.8KV TRANSFORMER CKT 1
Flowgate: CLARAUTO22522CLARAUTO15213308SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161666	1.2	2.4
1161667	1.2	2.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
GRDA	'PENSACOLA 69KV'	63	-0.10142	GRDA	'BOOMER 69KV'	24	0.00344	-0.10486	23
GRDA	'PENSACOLA 69KV'	63	-0.10142	GRDA	'GRDA1 161KV'	71.29431	0.00081	-0.10223	23
GRDA	'PENSACOLA 69KV'	63	-0.10142	GRDA	'GRDA1 345KV'	100	0.00101	-0.10243	23
GRDA	'PENSACOLA 69KV'	63	-0.10142	GRDA	'KERR 161KV'	13.5	-0.00195	-0.09947	24
GRDA	'PENSACOLA 69KV'	63	-0.10142	GRDA	'SALINA 161KV'	21.37774	-0.00195	-0.09947	24
GRDA	'PENSACOLA 69KV'	63	-0.10142	GRDA	'KERR 115KV'	13.5	-0.00755	-0.09387	25
GRDA	'PENSACOLA 69KV'	63	-0.10142	GRDA	'PENSACOLA 161KV'	11	-0.0271	-0.07432	32

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

Upgrade: COOK - ST JOE 161KV CKT 1
Limiting Facility: COOK - ST JOE 161KV CKT 1
Direction: To->From
Line Outage: ST JOE - WOODBINE 161KV CKT 1
Flowgate: 592575925315925359258155O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1152228	12.7	16.3
1162075	1.3	16.3
1162649	0.6	16.3
1162678	0.6	16.3
1162681	0.6	16.3
1162685	0.2	16.3
1162686	0.2	16.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
MIPU	'LAKE ROAD 161KV'	136	-0.69375	MIPU	'ARIES 161KV'	585	-0.02035	-0.6734	24
MIPU	'LAKE ROAD 34KV'	97	-0.69375	MIPU	'ARIES 161KV'	585	-0.02035	-0.6734	24
KACP	'HAWTHORN 161KV'	330.1377	-0.0305	KACP	'IATAN 345KV'	396	0.01602	-0.04652	351
KACP	'BULL CREEK 161KV'	308	-0.01763	KACP	'IATAN 345KV'	396	0.01602	-0.03365	485

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

Upgrade: ELK CITY - ELK CITY 69KV CKT 1 AEPW
Limiting Facility: ELK CITY - ELK CITY 69KV CKT 1
Direction: From->To
Line Outage: KIRBY - MCLELLN3 115KV CKT 1
Flowgate: 558975412215093250838111O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162688	0.4	0.4

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	Aggregate Redispatch Amount (MW)
WFEC	'OMPA-MANGUM 69KV'	6.3	-0.26321	WFEC	'ANADARKO 138KV'	260.737	-0.01	-0.25321	1
WFEC	'OMPA-MANGUM 69KV'	6.3	-0.26321	WFEC	'HUGO 138KV'	450	-0.00155	-0.26166	1
WFEC	'OMPA-MANGUM 69KV'	6.3	-0.26321	WFEC	'MORLND 138KV'	97.20154	0.00456	-0.26777	1
AEPW	'SOUTHWESTERN STATION 138KV'	151	-0.00691	AEPW	'WEATHERFORD 34KV'	148	0.0248	-0.03171	12
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.00691	AEPW	'WEATHERFORD 34KV'	148	0.0248	-0.03171	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: ELK CITY - ELK CITY 69KV CKT 1 AEPW
Limiting Facility: ELK CITY - ELK CITY 69KV CKT 1
Direction: From->To
Line Outage: ALTUS JCT TAP - RUSSELL 138KV CKT 1
Flowgate: 558975412215411156043121O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162688	0.3	0.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'OMPA-MANGUM 69KV'	6.3	-0.29778	WFEC	'ANADARKO 138KV'	271.4072	-0.00908	-0.2887	1
WFEC	'OMPA-MANGUM 69KV'	6.3	-0.29778	WFEC	'HUGO 138KV'	450	-0.00115	-0.29663	1
WFEC	'OMPA-MANGUM 69KV'	6.3	-0.29778	WFEC	'MORLND 138KV'	283.1016	0.0056	-0.30338	1
AEPW	'SOUTHWESTERN STATION 138KV'	54	-0.00466	AEPW	'WEATHERFORD 34KV'	148	0.02678	-0.03144	11
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.00466	AEPW	'WEATHERFORD 34KV'	148	0.02678	-0.03144	11

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

Upgrade: ELK CITY - ELK CITY 69KV CKT 1 AEPW
Limiting Facility: ELK CITY - ELK CITY 69KV CKT 1
Direction: From->To
Line Outage: ALTUS JCT TAP - RUSSELL 138KV CKT 1
Flowgate: 558975412215411156043121O8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162688	0.4	0.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'OMPA-MANGUM 69KV'	6.3	-0.29828	WFEC	'ANADARKO 138KV'	271.4263	-0.00936	-0.28892	1
WFEC	'OMPA-MANGUM 69KV'	6.3	-0.29828	WFEC	'HUGO 138KV'	450	-0.00112	-0.29716	1
WFEC	'OMPA-MANGUM 69KV'	6.3	-0.29828	WFEC	'MORLND 138KV'	310.2269	0.00513	-0.30341	1
AEPW	'SOUTHWESTERN STATION 138KV'	82.3999	-0.00501	AEPW	'WEATHERFORD 34KV'	148	0.02601	-0.03102	13
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00501	AEPW	'WEATHERFORD 34KV'	148	0.02601	-0.03102	13

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

Upgrade: ELK CITY - ELK CITY 69KV CKT 1 AEPW
Limiting Facility: ELK CITY - ELK CITY 69KV CKT 1
Direction: From->To
Line Outage: HOBART JUNCTION - TAMARAC TAP 138KV CKT 1
Flowgate: 558975412215412654158111O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162688	0.2	0.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'OMPA-MANGUM 69KV'	6.3	-0.28121	WFEC	'ANADARKO 138KV'	251.3168	-0.00848	-0.27273	1
WFEC	'OMPA-MANGUM 69KV'	6.3	-0.28121	WFEC	'HUGO 138KV'	450	-0.00133	-0.27988	1
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.00439	AEPW	'WEATHERFORD 34KV'	148	0.02814	-0.03253	7
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.00439	AEPW	'WEATHERFORD 34KV'	148	0.02814	-0.03253	7

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

Upgrade: ELK CITY - ELK CITY 69KV CKT 1 AEPW
Limiting Facility: ELK CITY - ELK CITY 69KV CKT 1
Direction: From->To
Line Outage: HOBART JUNCTION - TAMARAC TAP 138KV CKT 1
Flowgate: 558975412215412654158134O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162688	0.3	0.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'OMPA-MANGUM 69KV'	6.3	-0.28121	WFEC	'ANADARKO 138KV'	263.1196	-0.00849	-0.27272	1
WFEC	'OMPA-MANGUM 69KV'	6.3	-0.28121	WFEC	'HUGO 138KV'	450	-0.00134	-0.27987	1
WFEC	'OMPA-MANGUM 69KV'	6.3	-0.28121	WFEC	'MORLND 138KV'	70.91003	0.00647	-0.28768	1
AEPW	'SOUTHWESTERN STATION 138KV'	149	-0.0044	AEPW	'WEATHERFORD 34KV'	148	0.02814	-0.03254	8
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.0044	AEPW	'WEATHERFORD 34KV'	148	0.02814	-0.03254	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: ELK CITY - ELK CITY 69KV CKT 1 AEPW
Limiting Facility: ELK CITY - ELK CITY 69KV CKT 1
Direction: From->To
Line Outage: SPP-AEPW-23A
Flowgate: 55897541221SPP-AEPW-23A1408SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162688	0.4	0.4

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	Aggregate Redispatch Amount (MW)
WFEC	'OMPA-MANGUM 69KV"	6.3	-0.29781	WFEC	'ANADARKO 138KV'	256.9693	-0.00886	-0.28895	1
WFEC	'OMPA-MANGUM 69KV"	6.3	-0.29781	WFEC	'HUGO 138KV'	450	-0.00118	-0.29663	1
WFEC	'OMPA-MANGUM 69KV"	6.3	-0.29781	WFEC	'MORLND 138KV'	109.6167	0.00598	-0.30379	1
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.00435	AEPW	'WEATHERFORD 34KV'	148	0.02747	-0.03182	13
AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00435	AEPW	'WEATHERFORD 34KV'	148	0.02747	-0.03182	13

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

Upgrade: Evans - Grant - Chisolm Rebuild and Conversion Project
Limiting Facility: 17TH STREET (17TH 4X) 138/69/11.295KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: CHISHOLM (CHISLM1X) 138/69/13.2KV TRANSFORMER CKT 1
Flowgate: 17TTH4X1421CHISISLM1X4212208SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161506	1.2	2.4
1161997	1.2	2.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'CITY OF AUGUSTA 69KV"	20.02	0.00755	-0.09954	24
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'CHANUTE 69KV"	55.637	0.00234	-0.09433	25
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'CITY OF ERIE 69KV"	23.374	0.00234	-0.09433	25
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'CITY OF IOLA 69KV"	24.471	0.00203	-0.09402	25
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV"	19.98	0.00374	-0.09573	25
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'ABILENE ENERGY CENTER 115KV"	40	-0.00188	-0.09011	26
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'CLAY CENTER JUNCTION 115KV"	21.056	-0.00156	-0.09043	26
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'JEFFREY ENERGY CENTER 230KV"	470	-0.00081	-0.09118	26
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'JEFFREY ENERGY CENTER 345KV"	940	-0.00081	-0.09118	26
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'LANG 7 345 345KV"	310	-0.00113	-0.09086	26
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'LAWRENCE ENERGY CENTER 115KV"	85	-0.00016	-0.09183	26
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'LAWRENCE ENERGY CENTER 230KV"	250.3716	-0.00025	-0.09174	26
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'TECUMSEH ENERGY CENTER 115KV"	108	-0.00018	-0.09181	26
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'HUTCHINSON ENERGY CENTER 115KV"	120	-0.00406	-0.08793	27
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'KNOLL 3 115 115KV"	45	-0.00409	-0.0879	27
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'SMOKEY HILLS 34KV"	152	-0.00292	-0.08907	27
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'EVANS ENERGY CENTER 138KV"	321.4822	-0.01711	-0.07488	32
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'CITY OF AUGUSTA 69KV"	20.02	0.00755	-0.07133	33
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV"	19.98	0.00374	-0.06752	35
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'CHANUTE 69KV"	55.637	0.00234	-0.06612	36
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'CITY OF ERIE 69KV"	23.374	0.00234	-0.06612	36
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'CITY OF IOLA 69KV"	24.471	0.00203	-0.06581	36
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'LAWRENCE ENERGY CENTER 115KV"	85	-0.00016	-0.06362	37
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'LAWRENCE ENERGY CENTER 230KV"	250.3716	-0.00025	-0.06353	37
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'TECUMSEH ENERGY CENTER 115KV"	108	-0.00018	-0.0636	37
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'ABILENE ENERGY CENTER 115KV"	40	-0.00188	-0.0619	38
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'CLAY CENTER JUNCTION 115KV"	21.056	-0.00156	-0.06222	38
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'JEFFREY ENERGY CENTER 230KV"	470	-0.00081	-0.06297	38
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'JEFFREY ENERGY CENTER 345KV"	940	-0.00081	-0.06297	38
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'LANG 7 345 345KV"	310	-0.00113	-0.06265	38
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'SMOKEY HILLS 34KV"	152	-0.00292	-0.06086	39
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'HUTCHINSON ENERGY CENTER 115KV"	120	-0.00406	-0.05972	40
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'KNOLL 3 115 115KV"	45	-0.00409	-0.05969	40
WERE	'GILL ENERGY CENTER 69KV"	118	-0.09199	WERE	'CITY OF WELLINGTON 69KV"	41.45	-0.04442	-0.04757	50
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.06378	WERE	'EVANS ENERGY CENTER 138KV"	321.4822	-0.01711	-0.04667	51

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

Upgrade: Evans - Grant - Chisolm Rebuild and Conversion Project
Limiting Facility: CHISHOLM (CHISLM1X) 138/69/13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: EVANS ENERGY CENTER NORTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1
Flowgate: CHIISLM1X1421570405706512207SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161997	0.5	0.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'CHANUTE 69KV"	56.723	0.00083	-0.05129	9
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'CITY OF AUGUSTA 69KV"	20.02	0.00103	-0.05149	9
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'CITY OF BURLINGTON 69KV"	7.8	0.00168	-0.05214	9
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'CITY OF ERIE 69KV"	23.27	0.00083	-0.05129	9
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'CITY OF FREDONIA 69KV"	3.895	0.00099	-0.05145	9
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'CITY OF GIRARD 69KV"	4.789	0.00042	-0.05088	9
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'CITY OF IOLA 69KV"	24.267	0.00071	-0.05117	9
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV"	19.97	0.00168	-0.05214	9
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'LAWRENCE ENERGY CENTER 115KV"	85	0.00033	-0.05079	9
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'LAWRENCE ENERGY CENTER 230KV"	236.1845	0.00032	-0.05078	9
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'TECUMSEH ENERGY CENTER 115KV"	108	0.00037	-0.05083	9
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'ABILENE ENERGY CENTER 115KV"	40	-0.00048	-0.04998	10
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'BPU - CITY OF MCPHERSON 115KV"	60.08545	-0.00136	-0.0491	10
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'CLAY CENTER JUNCTION 115KV"	22.939	-0.00029	-0.05017	10
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'COLBY 115KV"	3.467526	-0.00179	-0.04867	10
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'EVANS ENERGY CENTER 138KV"	340	-0.003	-0.04746	10
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'HUTCHINSON ENERGY CENTER 115KV"	120	-0.00187	-0.04859	10
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'JEFFREY ENERGY CENTER 230KV"	470	0.00009	-0.05055	10
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'JEFFREY ENERGY CENTER 345KV"	940	0.00009	-0.05055	10
WERE	'GILL ENERGY CENTER 69KV"	118	-0.05046	WERE	'KNOLL 3 115 115KV"	25	-0.00168	-0.04878	10
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.03703	WERE	'CITY OF BURLINGTON 69KV"	7.8	0.00168	-0.03871	12
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.03703	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV"	19.97	0.00168	-0.03871	12
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.03703	WERE	'ABILENE ENERGY CENTER 115KV"	40	-0.00048	-0.03655	13
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.03703	WERE	'BPU - CITY OF MCPHERSON 115KV"	60.08545	-0.00136	-0.03567	13
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.03703	WERE	'CHANUTE 69KV"	56.723	0.00083	-0.03786	13
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.03703	WERE	'CITY OF AUGUSTA 69KV"	20.02	0.00103	-0.03806	13
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.03703	WERE	'CITY OF ERIE 69KV"	23.27	0.00083	-0.03786	13
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.03703	WERE	'CITY OF GIRARD 69KV"	4.789	0.00042	-0.03745	13
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.03703	WERE	'CITY OF IOLA 69KV"	24.267	0.00071	-0.03774	13
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.03703	WERE	'CLAY CENTER JUNCTION 115KV"	22.939	-0.00029	-0.03674	13
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.03703	WERE	'JEFFREY ENERGY CENTER 230KV"	470	0.00009	-0.03712	13
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.03703	WERE	'JEFFREY ENERGY CENTER 345KV"	940	0.00009	-0.03712	13
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.03703	WERE	'LAWRENCE ENERGY CENTER 115KV"	85	0.00033	-0.03736	13
WERE	'GILL ENERGY CENTER 138KV"	17.99999	-0.03703	WERE	'LAWRENCE ENERGY CENTER 230KV"	236.1845	0.00032	-0.03735	13

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

WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.03703	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00037	-0.0374	13
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'CHANUTE 69KV'	56.723	0.00083	-0.03364	14
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00103	-0.03384	14
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'CITY OF BURLINGTON 69KV'	7.8	0.00168	-0.03449	14
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'CITY OF ERIE 69KV'	23.27	0.00083	-0.03364	14
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'CITY OF GIRARD 69KV'	4.789	0.00042	-0.03323	14
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'CITY OF IOLA 69KV'	24.267	0.00071	-0.03352	14
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00168	-0.03449	14
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00033	-0.03314	14
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	0.00032	-0.03313	14
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00037	-0.03318	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.03703	WERE	'EVANS ENERGY CENTER 138KV'	340	-0.003	-0.03403	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.03703	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.00187	-0.03516	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.03703	WERE	'KNOLL 3 115 115KV'	25	-0.00168	-0.03535	14
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00048	-0.03233	15
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'BPU - CITY OF MCPHERSON 115KV'	60.08545	-0.00136	-0.03145	15
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'CLAY CENTER JUNCTION 115KV'	22.939	-0.00029	-0.03252	15
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00009	-0.0329	15
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00009	-0.0329	15
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'KNOLL 3 115 115KV'	25	-0.00168	-0.03113	15
WERE	'CITY OF MULVANE 69KV'	7.502	-0.03281	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.00187	-0.03094	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: Evans - Grant - Chisolm Rebuild and Conversion Project
Limiting Facility: CHISHOLM (CHISLM1X) 138/69/13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: EVANS ENERGY CENTER NORTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1
Flowgate: CHIISLM1X1421570405706512208SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161506	2.4	4.8
1161997	2.3	4.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'GILL ENERGY CENTER 69KV'	118	-0.04997	WERE	'CHANUTE 69KV'	55.637	0.00086	-0.05083	94
WERE	'GILL ENERGY CENTER 69KV'	118	-0.04997	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00008	-0.05005	95
WERE	'GILL ENERGY CENTER 69KV'	118	-0.04997	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00007	-0.05004	95
WERE	'GILL ENERGY CENTER 69KV'	118	-0.04997	WERE	'LANG 7 345 345KV'	310	0.00035	-0.05032	95
WERE	'GILL ENERGY CENTER 69KV'	118	-0.04997	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00032	-0.05029	95
WERE	'GILL ENERGY CENTER 69KV'	118	-0.04997	WERE	'LAWRENCE ENERGY CENTER 230KV'	250.3716	0.00031	-0.05028	95
WERE	'GILL ENERGY CENTER 69KV'	118	-0.04997	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00037	-0.05034	95
WERE	'GILL ENERGY CENTER 69KV'	118	-0.04997	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.0005	-0.04947	97
WERE	'GILL ENERGY CENTER 69KV'	118	-0.04997	WERE	'SMOKEY HILLS 34KV'	152	-0.00114	-0.04883	98
WERE	'GILL ENERGY CENTER 69KV'	118	-0.04997	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.00179	-0.04818	99
WERE	'GILL ENERGY CENTER 69KV'	118	-0.04997	WERE	'KNOLL 3 115 115KV'	45	-0.00188	-0.04809	99
WERE	'GILL ENERGY CENTER 69KV'	118	-0.04997	WERE	'EVANS ENERGY CENTER 138KV'	321.4822	-0.00278	-0.04719	101

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

Upgrade: FAIRMONT TAP - WOODRING 138KV CKT 1
Limiting Facility: FAIRMONT TAP - WOODRING 138KV CKT 1
Direction: To->From
Line Outage: WAUKOMIS TAP - WOODRING 138KV CKT 1
Flowgate: 5470954714154711547141320 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162617	0.1	1.8
1162675	0.4	1.8
1165215	0.7	1.8
1165218	0.6	1.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'AES 161KV'	320	-0.00031	-0.61483	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'HORSESHOE LAKE 138KV'	380	0.00224	-0.61738	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'HORSESHOE LAKE 138KV'	251.6558	0.00224	-0.61738	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'HORSESHOE LAKE 138KV'	91	0.00224	-0.61738	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'HORSESHOE LAKE 69KV'	16	0.00134	-0.61648	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'MCCLAIN 138KV'	478	-0.00342	-0.61172	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'MUSKOGEE 345KV'	1516	-0.00013	-0.61501	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'MUSTANG 138KV'	365.5	-0.00274	-0.6124	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'MUSTANG 69KV'	106	-0.01135	-0.60379	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'ONE OAK 345KV'	300	0.00787	-0.62301	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'REDBUD 345KV'	350	0.00623	-0.62137	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'SEMINOLE 138KV'	487.511	0.00053	-0.61567	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'SEMINOLE 345KV'	996	0.0017	-0.61684	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'SMITH COGEN 138KV'	120	-0.00236	-0.61278	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'SOONER 138KV'	505	-0.01588	-0.59926	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'SOONER 345KV'	513	0.01622	-0.63136	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'OMPA-PONCA CITY 69KV'	155.0132	-0.10247	-0.51267	4
WFEC	'MORLND 138KV'	257.4681	-0.3322	WFEC	'HUGO 138KV'	450	-0.00182	-0.33038	5
WFEC	'OMPA-FAIRVIEW 69KV'	1.8	-0.37618	WFEC	'ANADARKO 138KV'	272.6245	-0.02433	-0.35185	5
WFEC	'OMPA-FAIRVIEW 69KV'	1.8	-0.37618	WFEC	'HUGO 138KV'	450	-0.00182	-0.37436	5
WFEC	'OMPA-LAVERNE 69KV'	4	-0.33591	WFEC	'HUGO 138KV'	450	-0.00182	-0.33409	5
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'SOONER 345KV'	513	0.01622	-0.33458	5
WFEC	'MORLND 138KV'	257.4681	-0.3322	WFEC	'ANADARKO 138KV'	272.6245	-0.02433	-0.30787	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'AES 161KV'	320	-0.00031	-0.28668	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'HORSESHOE LAKE 138KV'	91	0.00224	-0.28923	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'HORSESHOE LAKE 138KV'	251.6558	0.00224	-0.28923	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'HORSESHOE LAKE 138KV'	380	0.00224	-0.28923	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'HORSESHOE LAKE 69KV'	16	0.00134	-0.28833	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'MCCLAIN 138KV'	478	-0.00342	-0.28357	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'MUSKOGEE 345KV'	1516	-0.00013	-0.28686	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'MUSTANG 138KV'	365.5	-0.00274	-0.28425	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'ONE OAK 345KV'	300	0.00787	-0.29486	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'REDBUD 345KV'	350	0.00623	-0.29322	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'SEMINOLE 138KV'	487.511	0.00053	-0.28752	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'SEMINOLE 345KV'	996	0.0017	-0.28869	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'SMITH COGEN 138KV'	120	-0.00236	-0.28463	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'SOONER 345KV'	513	0.01622	-0.30321	6
WFEC	'OMPA-LAVERNE 69KV'	4	-0.33591	WFEC	'ANADARKO 138KV'	272.6245	-0.02433	-0.31158	6
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'FPLWND2 34KV'	17.0034	-0.332	-0.28314	6
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.61514	OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	19.7	-0.28699	-0.32815	6
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'AES 161KV'	320	-0.00031	-0.31805	6

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

OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'HORSESHOE LAKE 138KV'	91	0.00224	-0.3206	6
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'HORSESHOE LAKE 138KV'	251.6558	0.00224	-0.3206	6
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'HORSESHOE LAKE 138KV'	380	0.00224	-0.3206	6
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'HORSESHOE LAKE 69KV'	16	0.00134	-0.3197	6
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'MCCLAIN 138KV'	478	-0.00342	-0.31494	6
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'MUSKOGEE 345KV'	1516	-0.00013	-0.31823	6
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'MUSTANG 138KV'	365.5	-0.00274	-0.31562	6
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'MUSTANG 69KV'	106	-0.01135	-0.30701	6
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'ONE OAK 345KV'	300	0.00787	-0.32623	6
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'REDBUD 345KV'	350	0.00623	-0.32459	6
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'SEMINOLE 138KV'	487.511	0.00053	-0.31889	6
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'SEMINOLE 345KV'	996	0.0017	-0.32006	6
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'SMITH COGEN 138KV'	120	-0.00236	-0.316	6
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'SOONER 138KV'	505	-0.01588	-0.30248	6
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'MUSTANG 69KV'	106	-0.01135	-0.27564	7
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'SOONER 138KV'	505	-0.01588	-0.27111	7
OKGE	'WOODWARD 24KV'	9.3	-0.31836	OKGE	'OMPA-PONCA CITY 69KV'	155.0132	-0.10247	-0.21589	8
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.28699	OKGE	'OMPA-PONCA CITY 69KV'	155.0132	-0.10247	-0.18452	10
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'EVANS ENERGY CENTER 138KV'	340	0.00726	-0.04259	42
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00407	-0.0394	46
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'GILL ENERGY CENTER 138KV'	155	0.00302	-0.03835	47
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'WACO 138KV'	17.96	0.00345	-0.03878	47
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00207	-0.0374	48
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00207	-0.0374	48
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00216	-0.03749	48
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'LAWRENCE ENERGY CENTER 230KV'	226.4258	0.00227	-0.0376	48
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00222	-0.03755	48
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00116	-0.03649	49
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'CLAY CENTER JUNCTION 115KV'	22.939	0.00153	-0.03686	49
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'CITY OF AUGUSTA 69KV'	20.02	0.00029	-0.03562	51
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'CITY OF IOLA 69KV'	24.267	-0.00006	-0.03527	51
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'BPU - CITY OF MCPHERSON 115KV'	70.6958	-0.00039	-0.03494	52
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'CHANUTE 69KV'	56.723	-0.00035	-0.03498	52
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'CITY OF ERIE 69KV'	23.27	-0.00035	-0.03498	52
WERE	'CITY OF WINFIELD 69KV'	40	-0.03533	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.00102	-0.03431	53
OKGE	'SOONER 138KV'	24.99997	-0.01588	OKGE	'SOONER 345KV'	513	0.01622	-0.0321	56
WFEC	'ANADARKO 69KV'	76	-0.03187	WFEC	'HUGO 138KV'	450	-0.00182	-0.03005	60

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

Upgrade: FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1
Limiting Facility: FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1
Direction: From->To
Line Outage: SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1
Flowgate: 57236572771572715727715508SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1167664	0.5	0.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'CHANUTE 69KV'	32.163	0.00093	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.0954	5
WERE	'CITY OF AUGUSTA 69KV'	7.320001	0.00653	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.0898	5
WERE	'CITY OF BURLINGTON 69KV'	4.7	0.00215	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.09418	5
WERE	'CITY OF ERIE 69KV'	3.155999	0.00093	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.0954	5
WERE	'CITY OF FREDONIA 69KV'	6.697999	0.00168	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.09465	5
WERE	'CITY OF GIRARD 69KV'	6.108	0.00018	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.09615	5
WERE	'CITY OF IOLA 69KV'	13.157	0.00034	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.09599	5
WERE	'CITY OF MULVANE 69KV'	7.5	0.0061	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.09023	5
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00157	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.09476	5
WERE	'CITY OF WELLINGTON 69KV'	2.049999	0.00559	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.09074	5
WERE	'CITY OF WINFIELD 69KV'	40	0.0052	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.09113	5
WERE	'CLR_3 .575 34KV'	200	0.00396	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.09237	5
WERE	'EVANS ENERGY CENTER 138KV'	437	0.00689	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.08944	5
WERE	'EVANS N4 138 16KV'	360	0.00689	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.08944	5
WERE	'GETTY 69KV'	35	0.00711	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.08922	5
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00653	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.0898	5
WERE	'GILL ENERGY CENTER 69KV'	118	0.00643	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.0899	5
WERE	'LATHAM1234.0 345KV'	150	0.00396	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.09237	5
WERE	'LYONS 115KV'	999	-0.00053	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.09686	5
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.0009	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.09543	5
WERE	'OXFORD 138KV'	3	0.00529	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.09104	5
WERE	'ATWOOD 115KV'	4	0.00915	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.08718	6
WERE	'BPU - CITY OF MCPHERSON 115KV'	39	0.01864	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.07769	6
WERE	'BROWN COUNTY 115KV'	5.5	0.01921	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.07712	6
WERE	'COLBY 115KV'	15.2162	0.00885	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.08748	6
WERE	'GREAT BEND PLANT 69KV'	10	0.01431	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.08202	6
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.01787	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.07846	6
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.01786	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.07847	6
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.01934	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.07699	6
WERE	'KNOLL 3 115 115KV'	234.36	0.01552	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.08081	6
WERE	'LANG 7 345 345KV'	518	0.01838	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.07795	6
WERE	'PAWNEE 115KV'	999	0.01421	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.08212	6
WERE	'RICE 115KV'	999	0.01421	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.08212	6
WERE	'SMOKYHIL 230 230KV'	72	0.01834	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.07799	6
WERE	'SOUTH SENECA 115KV'	16.7	0.01932	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.07701	6
WERE	'ST JOHN 115KV'	7.5	0.01421	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.08212	6
WERE	'ABILENE ENERGY CENTER 115KV'	5.999996	0.02188	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.07445	7
WERE	'CHANUTE 69KV'	32.163	0.00093	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.07116	7
WERE	'CITY OF AUGUSTA 69KV'	7.320001	0.00653	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.06556	7
WERE	'CITY OF BURLINGTON 69KV'	4.7	0.00215	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.06994	7
WERE	'CITY OF ERIE 69KV'	3.155999	0.00093	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.07116	7
WERE	'CITY OF FREDONIA 69KV'	6.697999	0.00168	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.07041	7
WERE	'CITY OF GIRARD 69KV'	6.108	0.00018	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.07191	7
WERE	'CITY OF IOLA 69KV'	13.157	0.00034	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.07175	7
WERE	'CITY OF MULVANE 69KV'	7.5	0.0061	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.06599	7
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00157	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.07052	7
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.0292	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.06713	7
WERE	'CITY OF WINFIELD 69KV'	40	0.0052	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.06689	7
WERE	'CLAY CENTER JUNCTION 115KV'	17.044	0.02311	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.07322	7
WERE	'CLR_3 .575 34KV'	200	0.00396	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.06813	7
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00653	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.06556	7
WERE	'GILL ENERGY CENTER 69KV'	118	0.00643	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.06566	7
WERE	'HOLTON 115KV'	19.8	0.02193	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.0744	7
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.02186	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.07447	7
WERE	'LATHAM1234.0 345KV'	150	0.00396	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.06813	7
WERE	'LYONS 115KV'	999	-0.00053	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.07262	7
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.0009	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.07119	7
WERE	'OXFORD 138KV'	3	0.00529	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.0668	7
WERE	'ATWOOD 115KV'	4	0.00915	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.06294	8

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

WERE	'COLBY 115KV'	15.2162	0.00885	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.06324	8
WERE	'EVANS ENERGY CENTER 138KV'	437	0.00689	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.0652	8
WERE	'EVANS N4 138 16KV'	360	0.00689	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.0652	8
WERE	'GETTY 69KV'	35	0.00711	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.06498	8
WERE	'GREAT BEND PLANT 69KV'	10	0.01431	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05778	8
WERE	'PAWNEE 115KV'	999	0.01421	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05788	8
WERE	'RICE 115KV'	999	0.01421	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05788	8
WERE	'ST JOHN 115KV'	7.5	0.01421	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05788	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	39	0.01864	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05345	9
WERE	'BROWN COUNTY 115KV'	5.5	0.01921	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05288	9
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.01787	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05422	9
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.01786	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05423	9
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.01934	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05275	9
WERE	'KNOLL 3 115 115KV'	234.36	0.01552	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05657	9
WERE	'LANG 7 345 345KV'	518	0.01838	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05371	9
WERE	'SMOKYHIL 230 230KV'	72	0.01834	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05375	9
WERE	'SOUTH SENECA 115KV'	16.7	0.01932	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05277	9
WERE	'TECUMSEH ENERGY CENTER 115KV'	59.4607	0.04216	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.05417	9
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.04045	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.09633	-0.05588	9
WERE	'ABILENE ENERGY CENTER 115KV'	5.999996	0.02188	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05021	10
WERE	'CLAY CENTER JUNCTION 115KV'	17.044	0.02311	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.04898	10
WERE	'HOLTON 115KV'	19.8	0.02193	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05016	10
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.02186	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.05023	10
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.0292	WERE	'LAWRENCE ENERGY CENTER 230KV'	242.0504	0.07209	-0.04289	11
WERE	'LYONS 115KV'	999	-0.00053	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.04269	11
WERE	'CHANUTE 69KV'	32.163	0.00093	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.04123	12
WERE	'CITY OF BURLINGTON 69KV'	4.7	0.00215	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.04001	12
WERE	'CITY OF FREDONIA 69KV'	6.697999	0.00168	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.04048	12
WERE	'CITY OF GIRARD 69KV'	6.108	0.00018	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.04198	12
WERE	'CITY OF IOLA 69KV'	13.157	0.00034	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.04182	12
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00157	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.04059	12
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.0009	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.04126	12
WERE	'CITY OF WINFIELD 69KV'	40	0.0052	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.03696	13
WERE	'CLR_3 .575 34KV'	200	0.00396	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.0382	13
WERE	'LATHAM1234.0 345KV'	150	0.00396	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.0382	13
WERE	'CITY OF AUGUSTA 69KV'	7.320001	0.00653	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.03563	14
WERE	'CITY OF MULVANE 69KV'	7.5	0.0061	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.03606	14
WERE	'EVANS ENERGY CENTER 138KV'	437	0.00689	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.03527	14
WERE	'EVANS N4 138 16KV'	360	0.00689	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.03527	14
WERE	'GETTY 69KV'	35	0.00711	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.03505	14
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00653	WERE	'TECUMSEH ENERGY CENTER 115KV'	101.5393	0.04216	-0.03563	14

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

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

Reservation	Relief Amount	Aggregate Relief Amount
1167662	4.6	5.9
1167664	1.3	5.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08073	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.31352	19
WERE	'CHANUTE 69KV'	31.077	-0.00115	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23394	25
WERE	'CITY OF IOLA 69KV'	13.361	-0.00105	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23384	25
WERE	'CITY OF OSAGE CITY 115KV'	8.85	-0.00048	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23327	25
WERE	'CLR_3 .575 34KV'	300	-0.00298	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23577	25
WERE	'EVANS N4 138 16KV'	360	-0.00213	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23492	25
WERE	'GETTY 69KV'	35	-0.00422	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23701	25
WERE	'LANG 7 345 345KV'	828	-0.00079	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23358	25
WERE	'LATHAM1234.0 345KV'	150	-0.00298	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23577	25
WERE	'LAWRENCE ENERGY CENTER 230KV'	39.16943	-0.00048	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23327	25
WERE	'LYONS 115KV'	999	-0.00036	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23315	25
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00104	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23383	25
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00043	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23322	25
WERE	'BPU - CITY OF MCPHERSON 115KV'	21.06738	0.00286	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.22993	26
WERE	'CLAY CENTER JUNCTION 115KV'	15.161	0.00068	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23211	26
WERE	'GREAT BEND PLANT 69KV'	10	0.00699	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.2258	26
WERE	'HOLTON 115KV'	19.8	-0.00022	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23301	26
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00389	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.2289	26
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.0039	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.22889	26
WERE	'JEFFREY ENERGY CENTER 230KV'	24	-0.00007	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23286	26
WERE	'JEFFREY ENERGY CENTER 345KV'	42	-0.00007	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23286	26
WERE	'KNOLL 3 115 115KV'	234.36	0.00351	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.22928	26
WERE	'SMOKYHIL 230 230KV'	72	0.00205	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23074	26
WERE	'SOUTH SENECA 115KV'	16.7	0	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.23279	26
WERE	'PAWNEE 115KV'	999	0.01303	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.21976	27
WERE	'RICE 115KV'	999	0.01303	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.21976	27
WERE	'CITY OF WINFIELD 69KV'	40	0.02493	WERE	'GILL ENERGY CENTER 69KV'	75	0.23279	-0.20786	29
WERE	'CLR_3 .575 34KV'	300	-0.00298	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.11394	52
WERE	'GETTY 69KV'	35	-0.00422	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.11518	52
WERE	'LATHAM1234.0 345KV'	150	-0.00298	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.11394	52
WERE	'CHANUTE 69KV'	31.077	-0.00115	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.11211	53
WERE	'EVANS N4 138 16KV'	360	-0.00213	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.11309	53
WERE	'HOLTON 115KV'	19.8	-0.00022	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.11118	53
WERE	'LANG 7 345 345KV'	828	-0.00079	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.11175	53
WERE	'LAWRENCE ENERGY CENTER 230KV'	39.16943	-0.00048	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.11144	53
WERE	'LYONS 115KV'	999	-0.00036	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.11132	53
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00104	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.112	53
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00043	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.11139	53
WERE	'JEFFREY ENERGY CENTER 230KV'	24	-0.00007	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.11103	54
WERE	'JEFFREY ENERGY CENTER 345KV'	42	-0.00007	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.11103	54
WERE	'BPU - CITY OF MCPHERSON 115KV'	21.06738	0.00286	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.1081	55
WERE	'KNOLL 3 115 115KV'	234.36	0.00351	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.10745	55
WERE	'SMOKYHIL 230 230KV'	72	0.00205	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.10891	55
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00389	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.10707	56
WERE	'PAWNEE 115KV'	999	0.01303	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.09793	61
WERE	'RICE 115KV'	999	0.01303	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.09793	61
WERE	'CITY OF WINFIELD 69KV'	40	0.02493	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.11096	-0.08603	69
WERE	'GETTY 69KV'	35	-0.00422	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.08004	74
WERE	'CLR_3 .575 34KV'	300	-0.00298	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.0788	75
WERE	'LATHAM1234.0 345KV'	150	-0.00298	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.0788	75
WERE	'EVANS N4 138 16KV'	360	-0.00213	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.07795	76
WERE	'CHANUTE 69KV'	31.077	-0.00115	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.07697	77
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00104	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.07686	77
WERE	'JEFFREY ENERGY CENTER 345KV'	42	-0.00007	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.07589	78

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

WERE	'LANG 7 345 345KV'	828	-0.00079	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.07661	78
WERE	'LAWRENCE ENERGY CENTER 230KV'	39.16943	-0.00048	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.0763	78
WERE	'LYONS 115KV'	999	-0.00036	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.07618	78
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00043	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.07625	78
WERE	'SMOKYHIL 230 230KV'	72	0.00205	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.07377	81
WERE	'KNOLL 3 115 115KV'	234.36	0.00351	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.07231	82
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00389	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.07193	83
WERE	'PAWNEE 115KV'	999	0.01303	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.06279	95
WERE	'RICE 115KV'	999	0.01303	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.06279	95
WERE	'CITY OF WINFIELD 69KV'	40	0.02493	WERE	'GILL ENERGY CENTER 138KV'	171	0.07582	-0.05089	117

Maximum Decrement and Maximum Increment were determine from the Souce 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
1167662	3.2	4.1
1167664	0.9	4.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'CITY OF MULVANE 69KV'	7.502	-0.0605	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.21929	19
WERE	'CLR_3 .575 34KV'	300	-0.00277	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.16156	25
WERE	'GETTY 69KV'	35	-0.00446	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.16325	25
WERE	'LATHAM1234.0 345KV'	150	-0.00277	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.16156	25
WERE	'BPU - CITY OF MCPHERSON 115KV'	21.06738	0.0024	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15639	26
WERE	'CHANUTE 69KV'	31.077	-0.00114	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15993	26
WERE	'CITY OF IOLA 69KV'	13.361	-0.00102	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15981	26
WERE	'CITY OF OSAGE CITY 115KV'	8.85	-0.00006	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15885	26
WERE	'CLAY CENTER JUNCTION 115KV'	15.161	0.00077	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15802	26
WERE	'EVANS N4 138 16KV'	360	0.00208	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15671	26
WERE	'HOLTON 115KV'	19.8	-0.00003	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15882	26
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00318	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15561	26
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.00318	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15561	26
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00018	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15861	26
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00017	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15862	26
WERE	'KNOLL 3 115 115KV'	234.36	0.00286	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15593	26
WERE	'LANG 7 345 345KV'	828	-0.00017	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15896	26
WERE	'LAWRENCE ENERGY CENTER 230KV'	39.16943	-0.00018	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15897	26
WERE	'LYONS 115KV'	999	-0.00033	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15912	26
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.001	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15979	26
WERE	'SMOKYHIL 230 230KV'	72	0.00179	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.157	26
WERE	'SOUTH SENECA 115KV'	16.7	0.0001	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15869	26
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00015	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15894	26
WERE	'GREAT BEND PLANT 69KV'	10	0.00548	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.15331	27
WERE	'PAWNEE 115KV'	999	0.01005	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.14874	28
WERE	'RICE 115KV'	999	0.01005	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.14874	28
WERE	'CITY OF WINFIELD 69KV'	40	0.01599	WERE	'GILL ENERGY CENTER 69KV'	75	0.15879	-0.1428	29
WERE	'GETTY 69KV'	35	-0.00446	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07962	51
WERE	'CLR_3 .575 34KV'	300	-0.00277	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07793	52
WERE	'LATHAM1234.0 345KV'	150	-0.00277	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07793	52
WERE	'CHANUTE 69KV'	31.077	-0.00114	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.0763	54
WERE	'HOLTON 115KV'	19.8	-0.00003	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07519	54
WERE	'LANG 7 345 345KV'	828	-0.00017	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07533	54
WERE	'LAWRENCE ENERGY CENTER 230KV'	39.16943	-0.00018	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07534	54
WERE	'LYONS 115KV'	999	-0.00033	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07549	54
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.001	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07616	54
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00015	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07531	54
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00018	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07498	55
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00017	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07499	55
WERE	'BPU - CITY OF MCPHERSON 115KV'	21.06738	0.0024	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07276	56
WERE	'EVANS N4 138 16KV'	360	0.00208	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07308	56
WERE	'SMOKYHIL 230 230KV'	72	0.00179	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07337	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00318	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.07198	57
WERE	'KNOLL 3 115 115KV'	234.36	0.00286	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.0723	57
WERE	'PAWNEE 115KV'	999	0.01005	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.06511	63
WERE	'RICE 115KV'	999	0.01005	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.06511	63
WERE	'GETTY 69KV'	35	-0.00446	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.062	66
WERE	'CLR_3 .575 34KV'	300	-0.00277	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.06031	68
WERE	'LATHAM1234.0 345KV'	150	-0.00277	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.06031	68
WERE	'CITY OF WINFIELD 69KV'	40	0.01599	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07516	-0.05917	69
WERE	'CHANUTE 69KV'	31.077	-0.00114	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.05868	70
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.001	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.05854	70
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00018	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.05736	71
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00017	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.05737	71
WERE	'LANG 7 345 345KV'	828	-0.00017	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.05771	71
WERE	'LAWRENCE ENERGY CENTER 230KV'	39.16943	-0.00018	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.05772	71
WERE	'LYONS 115KV'	999	-0.00033	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.05787	71
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00015	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.05769	71
WERE	'SMOKYHIL 230 230KV'	72	0.00179	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.05575	73
WERE	'EVANS N4 138 16KV'	360	0.00208	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.05546	74
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00318	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.05436	75
WERE	'KNOLL 3 115 115KV'	234.36	0.00286	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.05468	75
WERE	'PAWNEE 115KV'	999	0.01005	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.04749	86
WERE	'RICE 115KV'	999	0.01005	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.04749	86
WERE	'CITY OF WINFIELD 69KV'	40	0.01599	WERE	'GILL ENERGY CENTER 138KV'	171	0.05754	-0.04155	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 #1
Limiting Facility: GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1
Direction: From->To
Line Outage: GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1
Flowgate: 57795578131577955779811107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1167662	4.0	5.1
1167664	1.1	5.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08353	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.28339	18

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

WERE	'CHANUTE 69KV'	31.077	-0.00107	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.20093	25
WERE	'CITY OF IOLA 69KV'	13.361	-0.00097	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.20083	25
WERE	'CLR_3 .575 34KV'	300	-0.00271	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.20257	25
WERE	'EVANS N4 138 16KV'	360	-0.00096	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.20082	25
WERE	'GETTY 69KV'	35	-0.004	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.20386	25
WERE	'LANG 7 345 345KV'	828	-0.00057	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.20043	25
WERE	'LATHAM1234.0 345KV'	150	-0.00271	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.20257	25
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00096	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.20082	25
WERE	'BPU - CITY OF MCPHERSON 115KV'	21.06738	0.00255	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.19731	26
WERE	'CITY OF OSAGE CITY 115KV'	8.85	-0.00034	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.2002	26
WERE	'CLAY CENTER JUNCTION 115KV'	15.161	0.00067	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.19919	26
WERE	'GREAT BEND PLANT 69KV'	10	0.00614	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.19372	26
WERE	'HOLTON 115KV'	19.8	-0.00015	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.20001	26
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00345	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.19641	26
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.00346	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.1964	26
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00001	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.19985	26
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.19986	26
WERE	'KNOLL 3 115 115KV'	234.36	0.00311	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.19675	26
WERE	'LAWRENCE ENERGY CENTER 230KV'	39.16943	-0.00036	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.20022	26
WERE	'LYONS 115KV'	999	-0.00033	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.20019	26
WERE	'SMOKYHIL 230 230KV'	72	0.00185	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.19801	26
WERE	'SOUTH SENECA 115KV'	16.7	0.00003	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.19983	26
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00032	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.20018	26
WERE	'PAWNEE 115KV'	999	0.01139	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.18847	27
WERE	'RICE 115KV'	999	0.01139	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.18847	27
WERE	'CITY OF WINFIELD 69KV'	40	0.02087	WERE	'GILL ENERGY CENTER 69KV'	75	0.19986	-0.17899	29
WERE	'CLR_3 .575 34KV'	300	-0.00271	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.09766	52
WERE	'GETTY 69KV'	35	-0.004	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.09895	52
WERE	'LATHAM1234.0 345KV'	150	-0.00271	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.09766	52
WERE	'CHANUTE 69KV'	31.077	-0.00107	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.09602	53
WERE	'EVANS N4 138 16KV'	360	-0.00096	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.09591	53
WERE	'LANG 7 345 345KV'	828	-0.00057	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.09552	53
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00096	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.09591	53
WERE	'HOLTON 115KV'	19.8	-0.00015	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.0951	54
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00001	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.09494	54
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.09495	54
WERE	'LAWRENCE ENERGY CENTER 230KV'	39.16943	-0.00036	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.09531	54
WERE	'LYONS 115KV'	999	-0.00033	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.09528	54
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00032	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.09527	54
WERE	'BPU - CITY OF MCPHERSON 115KV'	21.06738	0.00255	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.0924	55
WERE	'SMOKYHIL 230 230KV'	72	0.00185	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.0931	55
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00345	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.0915	56
WERE	'KNOLL 3 115 115KV'	234.36	0.00311	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.09184	56
WERE	'PAWNEE 115KV'	999	0.01139	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.08356	61
WERE	'RICE 115KV'	999	0.01139	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.08356	61
WERE	'CITY OF WINFIELD 69KV'	40	0.02087	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.09495	-0.07408	69
WERE	'GETTY 69KV'	35	-0.004	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.07003	73
WERE	'CLR_3 .575 34KV'	300	-0.00271	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.06874	74
WERE	'LATHAM1234.0 345KV'	150	-0.00271	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.06874	74
WERE	'CHANUTE 69KV'	31.077	-0.00107	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.0671	76
WERE	'EVANS N4 138 16KV'	360	-0.00096	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.06699	76
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00096	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.06699	76
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.06603	77
WERE	'LANG 7 345 345KV'	828	-0.00057	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.0666	77
WERE	'LAWRENCE ENERGY CENTER 230KV'	39.16943	-0.00036	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.06639	77
WERE	'LYONS 115KV'	999	-0.00033	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.06636	77
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00032	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.06635	77
WERE	'SMOKYHIL 230 230KV'	72	0.00185	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.06418	80
WERE	'KNOLL 3 115 115KV'	234.36	0.00311	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.06292	81
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00345	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.06258	82
WERE	'PAWNEE 115KV'	999	0.01139	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.05464	94
WERE	'RICE 115KV'	999	0.01139	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.05464	94
WERE	'CITY OF WINFIELD 69KV'	40	0.02087	WERE	'GILL ENERGY CENTER 138KV'	171	0.06603	-0.04516	113

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

Upgrade: GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 #1
Limiting Facility: GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1
Direction: From->To
Line Outage: GILLJCT269.0 - OATVILLE 69KV CKT 1
Flowgate: 5779557813157798578251107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1167662	3.1	4.0
1167664	0.9	4.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09763	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.25205	16
WERE	'CLR_3 .575 34KV'	300	-0.00245	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15687	25
WERE	'GETTY 69KV'	35	-0.00398	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.1584	25
WERE	'LATHAM1234.0 345KV'	150	-0.00245	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15687	25
WERE	'BPU - CITY OF MCPHERSON 115KV'	21.06738	0.00221	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15221	26
WERE	'CHANUTE 69KV'	31.077	-0.00102	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15544	26
WERE	'CITY OF IOLA 69KV'	13.361	-0.00091	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15533	26
WERE	'CITY OF OSAGE CITY 115KV'	8.85	-0.00007	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15449	26
WERE	'CLAY CENTER JUNCTION 115KV'	15.161	0.0007	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15372	26
WERE	'EVANS N4 138 16KV'	360	0.00128	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15314	26
WERE	'HOLTON 115KV'	19.8	-0.00002	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15444	26
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00293	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15149	26
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.00293	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15149	26
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00016	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15426	26
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00015	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15427	26
WERE	'KNOLL 3 115 115KV'	234.36	0.00263	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15179	26
WERE	'LANG 7 345 345KV'	828	-0.00019	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15461	26
WERE	'LAWRENCE ENERGY CENTER 230KV'	39.16943	-0.00017	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15459	26
WERE	'LYONS 115KV'	999	-0.0003	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15472	26
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00089	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15531	26
WERE	'SMOKYHIL 230 230KV'	72	0.00164	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15278	26
WERE	'SOUTH SENECA 115KV'	16.7	0.0001	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15432	26
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00013	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15455	26
WERE	'GREAT BEND PLANT 69KV'	10	0.00505	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.14937	27
WERE	'PAWNEE 115KV'	999	0.00929	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.14513	27
WERE	'RICE 115KV'	999	0.00929	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.14513	27
WERE	'CITY OF WINFIELD 69KV'	40	0.01487	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.13955	28
WERE	'GETTY 69KV'	35	-0.00398	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07661	52
WERE	'CLR_3 .575 34KV'	300	-0.00245	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07508	53
WERE	'LATHAM1234.0 345KV'	150	-0.00245	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07508	53
WERE	'CHANUTE 69KV'	31.077	-0.00102	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07365	54
WERE	'LYONS 115KV'	999	-0.0003	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07293	54

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

WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00089	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07352	54
WERE	'HOLTON 115KV'	19.8	-0.00002	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07265	55
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00016	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07247	55
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00015	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07248	55
WERE	'LANG 7 345 345KV'	828	-0.00019	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07282	55
WERE	'LAWRENCE ENERGY CENTER 230KV'	39.16943	-0.00017	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.0728	55
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00013	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07276	55
WERE	'BPU - CITY OF MCPHERSON 115KV'	21.06738	0.00221	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07042	56
WERE	'EVANS N4 138 16KV'	360	0.00128	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07135	56
WERE	'SMOKYHIL 230 230KV'	72	0.00164	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07099	56
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00293	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.0697	57
WERE	'KNOLL 3 115 115KV'	234.36	0.00263	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.07	57
WERE	'PAWNEE 115KV'	999	0.00929	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.06334	63
WERE	'RICE 115KV'	999	0.00929	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.06334	63
WERE	'CITY OF WINFIELD 69KV'	40	0.01487	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.07263	-0.05776	69
WERE	'GETTY 69KV'	35	-0.00398	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.05718	69
WERE	'CLR_3 .575 34KV'	300	-0.00245	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.05565	71
WERE	'LATHAM1234.0 345KV'	150	-0.00245	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.05565	71
WERE	'CHANUTE 69KV'	31.077	-0.00102	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.05422	73
WERE	'NEOSHO ENERGY CENTER 138KV'	47	-0.00089	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.05409	73
WERE	'LANG 7 345 345KV'	828	-0.00019	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.05339	74
WERE	'LAWRENCE ENERGY CENTER 230KV'	39.16943	-0.00017	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.05337	74
WERE	'LYONS 115KV'	999	-0.0003	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.0535	74
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00013	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.05333	74
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00015	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.05305	75
WERE	'EVANS N4 138 16KV'	360	0.00128	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.05192	77
WERE	'SMOKYHIL 230 230KV'	72	0.00164	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.05156	77
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.00293	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.05027	79
WERE	'KNOLL 3 115 115KV'	234.36	0.00263	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.05057	79
WERE	'PAWNEE 115KV'	999	0.00929	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.04391	90
WERE	'RICE 115KV'	999	0.00929	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.04391	90
WERE	'CITY OF WINFIELD 69KV'	40	0.01487	WERE	'GILL ENERGY CENTER 138KV'	171	0.0532	-0.03833	104

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

Upgrade: GREENSBURG - JUDSON LARGE 115KV CKT 1
Limiting Facility: GREENSBURG - JUDSON LARGE 115KV CKT 1
Direction: To->From
Line Outage: MULLERGREN - SPEARVILLE 230KV CKT 1
Flowgate: 5876458771158779587951 1106WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162649	5.0	5.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WEPL	'HARPER 138KV'	17.21	-0.12721	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23719	-0.3644	14
WEPL	'HARPER 138KV'	17.21	-0.12721	WEPL	'JUDSON LARGE 115KV'	54.10104	0.23884	-0.36605	14
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.01582	-0.04039	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23719	-0.27758	18
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.01582	-0.04039	WEPL	'JUDSON LARGE 115KV'	54.10104	0.23884	-0.27923	18
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.04039	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23719	-0.27758	18
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.04039	WEPL	'JUDSON LARGE 115KV'	54.10104	0.23884	-0.27923	18
WEPL	'RUSSELL 115KV'	27.9	-0.03155	WEPL	'JUDSON LARGE 115KV'	54.10104	0.23884	-0.27039	18
WEPL	'RUSSELL 115KV'	27.9	-0.03155	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23719	-0.26874	19
WEPL	'BELOIT 115KV'	16.6	-0.01335	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23719	-0.25054	20
WEPL	'BELOIT 115KV'	16.6	-0.01335	WEPL	'JUDSON LARGE 115KV'	54.10104	0.23884	-0.25219	20
WEPL	'CLIFTON 115KV'	70	-0.00966	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23719	-0.24685	20
WEPL	'CLIFTON 115KV'	70	-0.00966	WEPL	'JUDSON LARGE 115KV'	54.10104	0.23884	-0.2485	20
WEPL	'GREENLEAF 115KV'	14.2	-0.00837	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23719	-0.24556	20
WEPL	'GREENLEAF 115KV'	14.2	-0.00837	WEPL	'JUDSON LARGE 115KV'	54.10104	0.23884	-0.24721	20
KACP	'BULL CREEK 161KV'	308	-0.00494	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.13212	38
KACP	'CITY OF HIGGINSVILLE 69KV'	36	-0.00303	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.13021	38
KACP	'GRAND AVENUE 161KV'	65	-0.00372	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.1309	38
KACP	'HAWTHORN 161KV'	423	-0.00352	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.1307	38
KACP	'MONTROSE 161KV'	118.4935	-0.0038	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.13098	38
KACP	'NORTHEAST 13KV'	56	-0.00368	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.13086	38
KACP	'NORTHEAST 13KV'	56	-0.00368	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.13086	38
KACP	'NORTHEAST 13KV'	58	-0.00368	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.13086	38
KACP	'NORTHEAST 13KV'	59	-0.00368	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.13086	38
KACP	'NORTHEAST 161KV'	55	-0.00368	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.13086	38
KACP	'NORTHEAST 161KV'	58	-0.00368	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.13086	38
KACP	'NORTHEAST 161KV'	58	-0.00368	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.13086	38
KACP	'NORTHEAST 161KV'	58	-0.00368	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.13086	38
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	-0.00489	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.13207	38
KACP	'MARSHALL 161KV'	54.1	-0.00195	KACP	'SPEARVILLE WIND 34KV'	101	0.12718	-0.12913	39
WEPL	'CIMARRON RIVER 115KV'	72	0.14645	WEPL	'JUDSON LARGE 115KV'	54.10104	0.23884	-0.09239	54
WEPL	'CIMARRON RIVER 115KV'	72	0.14645	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23719	-0.09074	55
WERE	'PAWNEE 115KV'	999	-0.09442	WERE	'CHANUTE 69KV'	35.344	-0.00552	-0.0889	56
WERE	'RICE 115KV'	999	-0.09442	WERE	'CHANUTE 69KV'	35.344	-0.00552	-0.0889	56
WERE	'PAWNEE 115KV'	999	-0.09442	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00683	-0.08759	57
WERE	'PAWNEE 115KV'	999	-0.09442	WERE	'LAWRENCE ENERGY CENTER 230KV'	220.1393	-0.00723	-0.08719	57
WERE	'RICE 115KV'	999	-0.09442	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00683	-0.08759	57
WERE	'RICE 115KV'	999	-0.09442	WERE	'LAWRENCE ENERGY CENTER 230KV'	220.1393	-0.00723	-0.08719	57
WERE	'PAWNEE 115KV'	999	-0.09442	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00893	-0.08549	58
WERE	'PAWNEE 115KV'	999	-0.09442	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00882	-0.0856	58
WERE	'PAWNEE 115KV'	999	-0.09442	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.06841	-0.00789	-0.08653	58
WERE	'RICE 115KV'	999	-0.09442	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00893	-0.08549	58
WERE	'RICE 115KV'	999	-0.09442	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00882	-0.0856	58
WERE	'RICE 115KV'	999	-0.09442	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.06841	-0.00789	-0.08653	58
WERE	'PAWNEE 115KV'	999	-0.09442	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.00951	-0.08491	59
WERE	'RICE 115KV'	999	-0.09442	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.00951	-0.08491	59
WERE	'PAWNEE 115KV'	999	-0.09442	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.01573	-0.07869	63
WERE	'RICE 115KV'	999	-0.09442	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.01573	-0.07869	63
WERE	'PAWNEE 115KV'	999	-0.09442	WERE	'CITY OF WELLINGTON 69KV'	24	-0.01585	-0.07857	64
WERE	'RICE 115KV'	999	-0.09442	WERE	'CITY OF WELLINGTON 69KV'	24	-0.01585	-0.07857	64
WERE	'PAWNEE 115KV'	999	-0.09442	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	-0.02859	-0.06583	76
WERE	'RICE 115KV'	999	-0.09442	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	-0.02859	-0.06583	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: GREENSBURG - JUDSON LARGE 115KV CKT 1
Limiting Facility: GREENSBURG - JUDSON LARGE 115KV CKT 1
Direction: To->From
Line Outage: MULLERGREN - SPEARVILLE 230KV CKT 1
Flowgate: 5876458771158779587951 1107SH
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
1162649	13.2	13.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WEPL	'HARPER 138KV'	17.21	-0.12652	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.36354	36
WEPL	'HARPER 138KV'	17.21	-0.12652	WEPL	'JUDSON LARGE 115KV'	115.5852	0.23868	-0.3652	36
WEPL	'RUSSELL 115KV'	27.9	-0.02558	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.2626	50
WEPL	'RUSSELL 115KV'	27.9	-0.02558	WEPL	'JUDSON LARGE 115KV'	115.5852	0.23868	-0.26426	50
WEPL	'CLIFTON 115KV'	23.50055	-0.00909	WEPL	'JUDSON LARGE 115KV'	115.5852	0.23868	-0.24777	53
WEPL	'CLIFTON 115KV'	23.50055	-0.00909	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.24611	54
KACP	'BULL CREEK 161KV'	175.4199	-0.0048	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.13151	100
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	-0.00476	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.13147	100
KACP	'GRAND AVENUE 161KV'	65	-0.00363	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.13034	101
KACP	'NORTHEAST 13KV'	56	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	101
KACP	'NORTHEAST 13KV'	56	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	101
KACP	'NORTHEAST 13KV'	58	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	101
KACP	'NORTHEAST 13KV'	59	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	101
KACP	'NORTHEAST 161KV'	55	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	101
KACP	'NORTHEAST 161KV'	58	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	101
KACP	'NORTHEAST 161KV'	58	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	101
KACP	'NORTHEAST 161KV'	58	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	101
KACP	'CITY OF HIGGINSVILLE 69KV'	36	-0.00293	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.12964	102
KACP	'MARSHALL 161KV'	54.1	-0.00187	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.12858	103
WEPL	'CIMARRON RIVER 115KV'	72	0.14599	WEPL	'JUDSON LARGE 115KV'	115.5852	0.23868	-0.09269	142
WEPL	'CIMARRON RIVER 115KV'	72	0.14599	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.09103	145
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00663	-0.08471	156
WERE	'RICE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00663	-0.08471	156
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 230KV'	220.4161	-0.00701	-0.08433	157
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00734	-0.084	157
WERE	'RICE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 230KV'	220.4161	-0.00701	-0.08433	157
WERE	'RICE 115KV'	999	-0.09134	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00734	-0.084	157
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00863	-0.08271	160
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00856	-0.08278	160
WERE	'RICE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00863	-0.08271	160
WERE	'RICE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00856	-0.08278	160
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'EVANS ENERGY CENTER 138KV'	340	-0.0156	-0.07574	174
WERE	'RICE 115KV'	999	-0.09134	WERE	'EVANS ENERGY CENTER 138KV'	340	-0.0156	-0.07574	174
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'BPU - CITY OF MCPHERSON 115KV'	126.7205	-0.02186	-0.06948	190
WERE	'RICE 115KV'	999	-0.09134	WERE	'BPU - CITY OF MCPHERSON 115KV'	126.7205	-0.02186	-0.06948	190
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'GILL ENERGY CENTER 138KV'	155	-0.02483	-0.06651	199
WERE	'RICE 115KV'	999	-0.09134	WERE	'GILL ENERGY CENTER 138KV'	155	-0.02483	-0.06651	199
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.02785	-0.06349	208
WERE	'RICE 115KV'	999	-0.09134	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.02785	-0.06349	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: GREENSBURG - JUDSON LARGE 115KV CKT 1
Limiting Facility: GREENSBURG - JUDSON LARGE 115KV CKT 1
Direction: To->From
Line Outage: MULLERGREN - SPEARVILLE 230KV CKT 1
Flowgate: 587645877115877958795115O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162649	13.2	13.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WEPL	'HARPER 138KV'	17.21	-0.12652	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.36354	36
WEPL	'HARPER 138KV'	17.21	-0.12652	WEPL	'JUDSON LARGE 115KV'	116.6512	0.23868	-0.3652	36
WEPL	'HARPER 138KV'	17.21	-0.12652	WEPL	'CIMARRON RIVER 115KV'	32.22301	0.14599	-0.27251	48
WEPL	'RUSSELL 115KV'	27.9	-0.02558	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.2626	50
WEPL	'RUSSELL 115KV'	27.9	-0.02558	WEPL	'JUDSON LARGE 115KV'	116.6512	0.23868	-0.26426	50
WEPL	'RUSSELL 115KV'	27.9	-0.02558	WEPL	'CIMARRON RIVER 115KV'	32.22301	0.14599	-0.17157	77
KACP	'GRAND AVENUE 161KV'	65	-0.00363	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.13034	101
KACP	'NORTHEAST 13KV'	59	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	101
KACP	'NORTHEAST 161KV'	58	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	101
KACP	'NORTHEAST 161KV'	58	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	101
KACP	'MARSHALL 161KV'	54.1	-0.00187	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.12858	103
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'CHANUTE 69KV'	56.723	-0.00543	-0.08591	154
WERE	'RICE 115KV'	999	-0.09134	WERE	'CHANUTE 69KV'	56.723	-0.00543	-0.08591	154
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	-0.00663	-0.08471	156
WERE	'RICE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	-0.00663	-0.08471	156
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 230KV'	229.8306	-0.00701	-0.08433	157
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00734	-0.084	157
WERE	'RICE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 230KV'	229.8306	-0.00701	-0.08433	157
WERE	'RICE 115KV'	999	-0.09134	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00734	-0.084	157
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00863	-0.08271	160
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00856	-0.08278	160
WERE	'RICE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00863	-0.08271	160
WERE	'RICE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00856	-0.08278	160
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.0156	-0.07574	174
WERE	'RICE 115KV'	999	-0.09134	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.0156	-0.07574	174
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9326	-0.02186	-0.06948	190
WERE	'RICE 115KV'	999	-0.09134	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9326	-0.02186	-0.06948	190
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'GILL ENERGY CENTER 69KV'	75	-0.02213	-0.06921	191
WERE	'RICE 115KV'	999	-0.09134	WERE	'GILL ENERGY CENTER 69KV'	75	-0.02213	-0.06921	191
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'GILL ENERGY CENTER 138KV'	171	-0.02483	-0.06651	199
WERE	'RICE 115KV'	999	-0.09134	WERE	'GILL ENERGY CENTER 138KV'	171	-0.02483	-0.06651	199
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	-0.02785	-0.06349	208
WERE	'RICE 115KV'	999	-0.09134	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	-0.02785	-0.06349	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: HARRISONVILLE 161/69KV TRANSFORMER CKT 1
Limiting Facility: HARRISONVILLE 161/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: PLEASANT HILL - RALPH GREEN 69KV CKT 1
Flowgate: 592395929515928059279141O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1152228	0.9	0.9

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

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

MIPU	'RALPH GREEN 69KV'	73.7	-0.40605	MIPU	'ARIES 161KV'	585	0.00894	-0.41499	2
MIPU	'RALPH GREEN 69KV'	73.7	-0.40605	MIPU	'LAKE ROAD 34KV'	60	0.00041	-0.40646	2
MIPU	'RALPH GREEN 69KV'	73.7	-0.40605	MIPU	'SIBLEY 161KV'	110.0442	0.00011	-0.40616	2
MIPU	'RALPH GREEN 69KV'	73.7	-0.40605	MIPU	'SIBLEY 69KV'	10	0.00022	-0.40627	2
MIPU	'SOUTH HARPER 161KV'	315	-0.02244	MIPU	'ARIES 161KV'	585	0.00894	-0.03138	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: HARRISONVILLE 161/69KV TRANSFORMER CKT 1
Limiting Facility: HARRISONVILLE 161/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: PLEASANT HILL - RALPH GREEN 69KV CKT 1
Flowgate: 592395929515928059279141085P
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1152228	1.5	1.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
MIPU	'RALPH GREEN 69KV'	73.7	-0.40606	MIPU	'ARIES 161KV'	585	0.00893	-0.41499	4
MIPU	'RALPH GREEN 69KV'	73.7	-0.40606	MIPU	'LAKE ROAD 34KV'	60	0.00043	-0.40649	4
MIPU	'RALPH GREEN 69KV'	73.7	-0.40606	MIPU	'SIBLEY 161KV'	135.491	0.00011	-0.40617	4
MIPU	'RALPH GREEN 69KV'	73.7	-0.40606	MIPU	'SIBLEY 69KV'	10	0.00022	-0.40628	4
MIPU	'SOUTH HARPER 161KV'	315	-0.02245	MIPU	'ARIES 161KV'	585	0.00893	-0.03138	49

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

Upgrade: HAYS PLANT - SOUTH HAYS 115KV CKT 1
Limiting Facility: HAYS PLANT - SOUTH HAYS 115KV CKT 1
Direction: To->From
Line Outage: KNOLL 230/115KV TRANSFORMER CKT 1
Flowgate: 5656256553156558565611140 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162075	3.0	58.9
1162102	9.3	58.9
1162109	9.3	58.9
1162122	15.8	58.9
1162176	2.2	58.9
1162670	5.8	58.9
1162678	1.5	58.9
1162681	1.5	58.9
1167662	8.1	58.9
1167664	2.3	58.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03494	-0.6839	86
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'HUTCHINSON ENERGY CENTER 115KV'	155.7124	0.03708	-0.68604	86
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03708	-0.68604	86
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02012	-0.66908	88
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'CHANUTE 69KV'	55.637	0.00208	-0.65104	90
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'CITY OF WELLINGTON 69KV'	41.45	0.00343	-0.65239	90
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'CLR_3 _575 34KV'	100	0.00303	-0.65199	90
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'EVANS ENERGY CENTER 138KV'	510	0.00388	-0.65284	90
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'GILL ENERGY CENTER 138KV'	155	0.00436	-0.65332	90
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'GILL ENERGY CENTER 69KV'	45	0.00417	-0.65313	90
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00397	-0.65293	90
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00657	-0.65553	90
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'LANG 7 345 345KV'	310	0.00635	-0.65531	90
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	0.00392	-0.65288	90
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'LAWRENCE ENERGY CENTER 230KV'	226.8836	0.00429	-0.65325	90
WERE	'KNOLL 3 115 115KV'	234.36	-0.64896	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.00402	-0.65298	90

Maximum Decrement and Maximum Increment were determine from the Souce 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 115KV CKT 1 Displacement
Limiting Facility: HOLCOMB - PLYMELL 115KV CKT 1
Direction: From->To
Line Outage: FLETCHER - HOLCOMB 115KV CKT 1
Flowgate: 5644856393156420564481240 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162670	3.8	3.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SUNC	'CITY OF HUGOTON 69KV'	10.17	-0.50236	SUNC	'GARDEN CITY 115KV'	8.00491	0.06919	-0.57155	7
SUNC	'CITY OF HUGOTON 69KV'	10.17	-0.50236	SUNC	'HOLCOMB 115KV'	270.7119	0.07692	-0.57928	7
WEPL	'CIMARRON RIVER 115KV'	46.27264	-0.48322	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.00905	-0.47417	8
WEPL	'CIMARRON RIVER 115KV'	46.27264	-0.48322	WEPL	'BELOIT 115KV'	9.25	-0.00427	-0.47895	8
WEPL	'CIMARRON RIVER 115KV'	46.27264	-0.48322	WEPL	'CLIFTON 115KV'	65	-0.00315	-0.48007	8
WEPL	'CIMARRON RIVER 115KV'	46.27264	-0.48322	WEPL	'GREENLEAF 115KV'	6.744	-0.00281	-0.48041	8
WEPL	'CIMARRON RIVER 115KV'	46.27264	-0.48322	WEPL	'NORTH WEST GREAT BEND 115KV'	12.243	-0.00905	-0.47417	8
WEPL	'CIMARRON RIVER 115KV'	46.27264	-0.48322	WEPL	'PLAINVILLE 115KV'	5.25	-0.0069	-0.47632	8
WEPL	'CIMARRON RIVER 115KV'	46.27264	-0.48322	WEPL	'RUSSELL 115KV'	25.25	-0.0077	-0.47552	8
WEPL	'CIMARRON RIVER 115KV'	46.27264	-0.48322	WEPL	'SMITH CENTER 115KV'	3.812997	-0.00542	-0.4778	8
SUNC	'CITY OF HUGOTON 69KV'	10.17	-0.50236	SUNC	'CITY OF GOODLAND 115KV'	7.7	-0.03573	-0.46663	8
SUNC	'CITY OF HUGOTON 69KV'	10.17	-0.50236	SUNC	'CITY OF HILL CITY 115KV'	3	-0.0083	-0.49406	8
WEPL	'CIMARRON RIVER 115KV'	46.27264	-0.48322	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.12011	-0.36311	10
WEPL	'CIMARRON RIVER 115KV'	46.27264	-0.48322	WEPL	'JUDSON LARGE 115KV'	48.30759	-0.12175	-0.36147	11
WEPL	'JUDSON LARGE 115KV'	64.69241	-0.12175	WEPL	'CLIFTON 115KV'	65	-0.00315	-0.1186	32
WEPL	'JUDSON LARGE 115KV'	64.69241	-0.12175	WEPL	'RUSSELL 115KV'	25.25	-0.0077	-0.11405	33
WEPL	'JUDSON LARGE 115KV'	64.69241	-0.12175	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.00905	-0.1127	34
WEPL	'JUDSON LARGE 115KV'	64.69241	-0.12175	WEPL	'NORTH WEST GREAT BEND 115KV'	12.243	-0.00905	-0.1127	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: JONES - JONESBORO 161KV CKT 1 ENTR & JONES - JONESBORO 161KV CKT 1 SWPA
Limiting Facility: JONES - JONESBORO 161KV CKT 1

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

Direction: From->To
Line Outage: KENNETT - NEW MADRID 161KV CKT 1
Flowgate: 9975552618152610526001320 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161665	2.1	2.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'BEAVER 161KV'	100.047	-0.02684	-0.62933	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'BROKEN BOW 138KV'	93.4	-0.01196	-0.64421	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'BULL SHOALS 161KV'	293.2	-0.04995	-0.60622	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'CARTHAGE 69KV'	30	-0.02226	-0.63391	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	-0.01434	-0.64183	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'DARDANELLE 161KV'	105.2	-0.02441	-0.63176	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'DENISON 138KV'	59.40001	-0.01525	-0.64092	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'EUFAULA 138KV'	51	-0.01734	-0.63883	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'EUFAULA 161KV'	25.5	-0.01735	-0.63882	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'FORT GIBSON 161KV'	42.4	-0.01826	-0.63791	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'JAMES RIVER 161KV'	159	-0.02453	-0.63164	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'JAMES RIVER 69KV'	233.1572	-0.02457	-0.6316	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'KEYSTONE DAM 161KV'	59.40001	-0.01818	-0.63799	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'MCCARTNEY 161KV'	322.3152	-0.02406	-0.63211	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'NORFORK 161KV'	20	-0.06277	-0.5934	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'OZARK 161KV'	78	-0.0195	-0.63667	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'POPLAR BLUFF 69KV'	6	-0.05741	-0.59876	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'ROBERT S. KERR 161KV'	107.2	-0.01729	-0.63888	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'SIKESTON 161KV'	235	-0.01452	-0.64165	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'STOCKTON 161KV'	44.1	-0.02111	-0.63506	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'TABLE ROCK 161KV'	186.8	-0.03159	-0.62458	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'TENKILLER FERRY 161KV'	16	-0.01768	-0.63849	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'TRUMAN 161KV'	102	-0.01768	-0.63849	3
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'WEBBERS FALLS 161KV'	39	-0.01768	-0.63849	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'BEAVER 161KV'	100.047	-0.02684	-0.5932	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'BROKEN BOW 138KV'	93.4	-0.01196	-0.60808	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'CARTHAGE 69KV'	30	-0.02226	-0.59778	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	-0.01434	-0.6057	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'DARDANELLE 161KV'	105.2	-0.02441	-0.59563	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'DENISON 138KV'	59.40001	-0.01525	-0.60479	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'EUFAULA 138KV'	51	-0.01734	-0.6027	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'EUFAULA 161KV'	25.5	-0.01735	-0.60269	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'FORT GIBSON 161KV'	42.4	-0.01826	-0.60178	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'JAMES RIVER 161KV'	159	-0.02453	-0.59551	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'JAMES RIVER 69KV'	233.1572	-0.02457	-0.59547	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'KEYSTONE DAM 161KV'	59.40001	-0.01818	-0.60186	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'MCCARTNEY 161KV'	322.3152	-0.02406	-0.59598	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'OZARK 161KV'	78	-0.0195	-0.60054	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'ROBERT S. KERR 161KV'	107.2	-0.01729	-0.60275	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'SIKESTON 161KV'	235	-0.01452	-0.60552	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'STOCKTON 161KV'	44.1	-0.02111	-0.59893	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'TENKILLER FERRY 161KV'	16	-0.01768	-0.60236	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'TRUMAN 161KV'	102	-0.01768	-0.60236	3
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'WEBBERS FALLS 161KV'	39	-0.01768	-0.60236	3
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'BEAVER 161KV'	100.047	-0.02684	-0.50599	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'BROKEN BOW 138KV'	93.4	-0.01196	-0.52087	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'BULL SHOALS 161KV'	293.2	-0.04995	-0.48288	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'CARTHAGE 69KV'	30	-0.02226	-0.51057	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	-0.01434	-0.51849	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'DARDANELLE 161KV'	105.2	-0.02441	-0.50842	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'DENISON 138KV'	59.40001	-0.01525	-0.51758	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'EUFAULA 138KV'	51	-0.01734	-0.51549	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'EUFAULA 161KV'	25.5	-0.01735	-0.51548	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'FORT GIBSON 161KV'	42.4	-0.01826	-0.51457	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'JAMES RIVER 161KV'	159	-0.02453	-0.5083	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'JAMES RIVER 69KV'	233.1572	-0.02457	-0.50826	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'KEYSTONE DAM 161KV'	59.40001	-0.01818	-0.51465	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'MCCARTNEY 161KV'	322.3152	-0.02406	-0.50877	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'NORFORK 161KV'	20	-0.06277	-0.47006	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'OZARK 161KV'	78	-0.0195	-0.51333	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'POPLAR BLUFF 69KV'	6	-0.05741	-0.47542	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'ROBERT S. KERR 161KV'	107.2	-0.01729	-0.51554	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'SIKESTON 161KV'	235	-0.01452	-0.51831	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'STOCKTON 161KV'	44.1	-0.02111	-0.51172	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'TABLE ROCK 161KV'	186.8	-0.03159	-0.50124	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'TENKILLER FERRY 161KV'	16	-0.01768	-0.51515	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'TRUMAN 161KV'	102	-0.01768	-0.51515	4
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'WEBBERS FALLS 161KV'	39	-0.01768	-0.51515	4
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'BULL SHOALS 161KV'	293.2	-0.04995	-0.57009	4
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'NORFORK 161KV'	20	-0.06277	-0.55727	4
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'POPLAR BLUFF 69KV'	6	-0.05741	-0.56263	4
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'TABLE ROCK 161KV'	186.8	-0.03159	-0.58845	4
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'GREERS FERRY 161KV'	93.4	-0.20712	-0.44905	5
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'MALDEN 69KV'	7	-0.24773	-0.40844	5
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'GREERS FERRY 161KV'	93.4	-0.20712	-0.41292	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'BEAVER 161KV'	100.047	-0.02684	-0.40444	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'BROKEN BOW 138KV'	93.4	-0.01196	-0.41932	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'BULL SHOALS 161KV'	293.2	-0.04995	-0.38133	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'CARTHAGE 69KV'	30	-0.02226	-0.40902	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	-0.01434	-0.41694	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'DARDANELLE 161KV'	105.2	-0.02441	-0.40687	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'DENISON 138KV'	59.40001	-0.01525	-0.41603	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'EUFAULA 138KV'	51	-0.01734	-0.41394	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'EUFAULA 161KV'	25.5	-0.01735	-0.41393	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'FORT GIBSON 161KV'	42.4	-0.01826	-0.41302	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'JAMES RIVER 161KV'	159	-0.02453	-0.40675	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'JAMES RIVER 69KV'	233.1572	-0.02457	-0.40671	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'KEYSTONE DAM 161KV'	59.40001	-0.01818	-0.4131	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'MCCARTNEY 161KV'	322.3152	-0.02406	-0.40722	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'OZARK 161KV'	78	-0.0195	-0.41178	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'ROBERT S. KERR 161KV'	107.2	-0.01729	-0.41399	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'SIKESTON 161KV'	235	-0.01452	-0.41676	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'STOCKTON 161KV'	44.1	-0.02111	-0.41017	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'TABLE ROCK 161KV'	186.8	-0.03159	-0.39969	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'TENKILLER FERRY 161KV'	16	-0.01768	-0.4136	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'TRUMAN 161KV'	102	-0.01768	-0.4136	5
SWPA	'PIGGOTT 69KV'	7.5	-0.43128	SWPA	'WEBBERS FALLS 161KV'	39	-0.01768	-0.4136	5
SWPA	'JONESBORO 161KV'	20	-0.65617	SWPA	'INDEPENDENCE 161KV'	13	-0.31656	-0.33961	6
SWPA	'KENNETT 69KV'	21.8	-0.53283	SWPA	'GREERS FERRY 161KV'	93.4	-0.20712	-0.32571	6
SWPA	'PARAGOULD 69KV'	12	-0.62004	SWPA	'MALDEN 69KV'	7	-0.24773	-0.37231	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

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

Upgrade: LINWOOD - MCWILLIE STREET 138KV CKT 1
Limiting Facility: LINWOOD - MCWILLIE STREET 138KV CKT 1
Direction: From->To
Line Outage: ARSENAL HILL - FORT HUMBUG 138KV CKT 1
Flowgate: 534225342815338653409123115P
Date Redispatch Needed: 6/1 - 10/1
Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162484	0.1	0.6
1162486	0.1	0.6
1162487	0.1	0.6
1162491	0.1	0.6
1162492	0.1	0.6
1162494	0.1	0.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'2006-10 24.0 115KV'	11	0.00766	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52416	1
AEPW	'AEP-CT0613.8 161KV'	510	0.00275	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52907	1
AEPW	'COGENTRIX 345KV'	29	0.00323	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52859	1
AEPW	'EASTMAN 138KV'	330.01	0.01024	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52158	1
AEPW	'FITZHUGH 161KV'	36.00001	0.00193	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52989	1
AEPW	'FULTON 115KV'	32.99999	0.00608	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52574	1
AEPW	'KIOWA 345KV'	1348	0.00525	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52657	1
AEPW	'KNOXLEE 138KV'	199	0.00709	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52473	1
AEPW	'KNOXLEE 138KV'	60	0.00709	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52473	1
AEPW	'L&D13 69KV'	13	0.00216	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52966	1
AEPW	'LEBROCK 345KV'	482	0.01462	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.5172	1
AEPW	'LIEBERMAN 138KV'	154	0.15873	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.37309	1
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.01836	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.51346	1
AEPW	'MID-CONTINENT 138KV'	142.11	0.0029	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52892	1
AEPW	'NARROWS 69KV'	3	0.00972	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.5221	1
AEPW	'NORTH MARSHALL 69KV'	4	0.03441	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.49741	1
AEPW	'OEC 345KV'	791	0.00314	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52868	1
AEPW	'OMPA-PAWHUSKA NORTHEAST 138KV'	6.9	0.00316	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52866	1
AEPW	'PIRKEY GENERATION 138KV'	35	0.0198	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.51202	1
AEPW	'RIVERSIDE STATION 138KV'	240	0.00324	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52858	1
AEPW	'SOUTHWESTERN STATION 138KV'	244.7	0.00427	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52755	1
AEPW	'SOUTHWESTERN STATION 138KV'	336	0.00427	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52755	1
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.01305	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.51877	1
AEPW	'TULSA POWER STATION 138KV'	109	0.00321	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52861	1
AEPW	'TULSA POWER STATION 138KV'	108	0.00321	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52861	1
AEPW	'TULSA POWER STATION 69KV'	24	0.00321	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52861	1
AEPW	'TULSA POWER STATION 69KV'	33	0.00321	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52861	1
AEPW	'TULSA POWER STATION 69KV'	23	0.00321	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.52861	1
AEPW	'WELEETKA 138KV'	4.000004	0.00392	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.5279	1
AEPW	'WILKES 138KV'	224.0577	0.02195	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.50987	1
AEPW	'AEP-CT0613.8 161KV'	510	0.00275	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15598	2
AEPW	'ARSENAL HILL 69KV'	99	0.30414	AEPW	'AH-CC_ST18.0 138KV'	550	0.53182	-0.22768	2
AEPW	'COGENTRIX 345KV'	29	0.00323	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.1555	2
AEPW	'FITZHUGH 161KV'	36.00001	0.00193	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.1568	2
AEPW	'FULTON 115KV'	32.99999	0.00608	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15265	2
AEPW	'KIOWA 345KV'	1348	0.00525	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15348	2
AEPW	'KNOXLEE 138KV'	199	0.00709	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15164	2
AEPW	'KNOXLEE 138KV'	60	0.00709	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15164	2
AEPW	'L&D13 69KV'	13	0.00216	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15657	2
AEPW	'MID-CONTINENT 138KV'	142.11	0.0029	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15583	2
AEPW	'OEC 345KV'	791	0.00314	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15559	2
AEPW	'OMPA-PAWHUSKA NORTHEAST 138KV'	6.9	0.00316	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15557	2
AEPW	'RIVERSIDE STATION 138KV'	240	0.00324	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15549	2
AEPW	'SOUTHWESTERN STATION 138KV'	244.7	0.00427	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15446	2
AEPW	'SOUTHWESTERN STATION 138KV'	336	0.00427	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15446	2
AEPW	'TULSA POWER STATION 138KV'	109	0.00321	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15552	2
AEPW	'TULSA POWER STATION 138KV'	108	0.00321	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15552	2
AEPW	'TULSA POWER STATION 69KV'	24	0.00321	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15552	2
AEPW	'TULSA POWER STATION 69KV'	33	0.00321	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15552	2
AEPW	'TULSA POWER STATION 69KV'	23	0.00321	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15552	2
AEPW	'WELEETKA 138KV'	4.000004	0.00392	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15481	2
AEPW	'2006-10 24.0 115KV'	11	0.00766	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.15107	3
AEPW	'EASTMAN 138KV'	330.01	0.01024	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.14849	3
AEPW	'LEBROCK 345KV'	482	0.01462	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.14411	3
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.01836	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.14037	3
AEPW	'NARROWS 69KV'	3	0.00972	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.14901	3
AEPW	'NORTH MARSHALL 69KV'	4	0.03441	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.12432	3
AEPW	'PIRKEY GENERATION 138KV'	35	0.0198	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.13893	3
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.01305	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.14568	3
AEPW	'WILKES 138KV'	224.0577	0.02195	AEPW	'LIEBERMAN 138KV'	73.99999	0.15873	-0.13678	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: LINWOOD - MCWILLIE STREET 138KV CKT 1
Limiting Facility: LINWOOD - MCWILLIE STREET 138KV CKT 1
Direction: From->To
Line Outage: HARTS ISLAND - SOUTH SHREVEPORT 138KV CKT 1
Flowgate: 534225342815341453446114085P
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1158760	5.8	23.4
1158761	5.8	23.4
1162763	4.0	23.4
1162766	4.0	23.4
1162768	3.9	23.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'AEP-CT0613.8 161KV'	320	-0.0035	-0.49958	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'COGENTRIX 345KV'	400	-0.00424	-0.49884	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'COMANCHE 138KV'	160	-0.00563	-0.49745	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'COMANCHE 69KV'	63	-0.00565	-0.49743	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'FITZHUGH 161KV'	101	-0.00242	-0.50066	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'FLINT CREEK 161KV'	428	-0.00352	-0.49956	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'KNOXLEE 138KV'	103	-0.00922	-0.49386	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00392	-0.49916	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.00392	-0.49916	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00391	-0.49917	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'OEC 345KV'	319	-0.00411	-0.49897	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'RIVERSIDE STATION 138KV'	422	-0.00425	-0.49883	47

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

AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'SLEEPING BEAR 138KV'	80	-0.00507	-0.49801	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00559	-0.49749	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'SOUTHWESTERN STATION 138KV'	143	-0.00559	-0.49749	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'TULSA POWER STATION 138KV'	38	-0.00421	-0.49887	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'WEATHERFORD 34KV'	148	-0.00531	-0.49777	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'WELEETKA 138KV'	84	-0.00512	-0.49796	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'EASTMAN 138KV'	355	-0.01312	-0.48996	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'LEBROCK 345KV'	465	-0.01831	-0.48477	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'NARROWS 69KV'	22	-0.01302	-0.49006	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'WELSH 345KV'	1044	-0.01274	-0.49034	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'WILKES 345KV'	191	-0.01657	-0.48651	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'PIRKEY GENERATION 138KV'	490	-0.0246	-0.47848	49
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'WILKES 138KV'	140.8552	-0.02865	-0.47443	49
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'FITZHUGH 161KV'	101	-0.00242	-0.35831	65
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'AEP-CT0613.8 161KV'	320	-0.0035	-0.35723	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'COGENTRIX 345KV'	400	-0.00424	-0.35649	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'COMANCHE 138KV'	160	-0.00563	-0.3551	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'COMANCHE 69KV'	63	-0.00565	-0.35508	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'FLINT CREEK 161KV'	428	-0.00352	-0.35721	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.00392	-0.35681	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00392	-0.35681	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00391	-0.35682	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'OEC 345KV'	319	-0.00411	-0.35662	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'RIVERSIDE STATION 138KV'	422	-0.00425	-0.35648	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'SLEEPING BEAR 138KV'	80	-0.00507	-0.35566	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00559	-0.35514	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'SOUTHWESTERN STATION 138KV'	143	-0.00559	-0.35514	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'TULSA POWER STATION 138KV'	38	-0.00421	-0.35652	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'WEATHERFORD 34KV'	148	-0.00531	-0.35542	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'WELEETKA 138KV'	84	-0.00512	-0.35561	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'EASTMAN 138KV'	355	-0.01312	-0.34761	67
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'KNOXLEE 138KV'	103	-0.00922	-0.35151	67
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'WELSH 345KV'	1044	-0.01274	-0.34799	67
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'LEBROCK 345KV'	465	-0.01831	-0.34242	68
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'WILKES 345KV'	191	-0.01657	-0.34416	68
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'PIRKEY GENERATION 138KV'	490	-0.0246	-0.33613	70
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'WILKES 138KV'	140.8552	-0.02865	-0.33208	71
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'AEP-CT0613.8 161KV'	320	-0.0035	-0.20843	112
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'FITZHUGH 161KV'	101	-0.00242	-0.20951	112
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'FLINT CREEK 161KV'	428	-0.00352	-0.20841	112
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'COGENTRIX 345KV'	400	-0.00424	-0.20769	113
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00392	-0.20801	113
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.00392	-0.20801	113
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00391	-0.20802	113
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'OEC 345KV'	319	-0.00411	-0.20782	113
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'RIVERSIDE STATION 138KV'	422	-0.00425	-0.20768	113
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'SLEEPING BEAR 138KV'	80	-0.00507	-0.20686	113
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'TULSA POWER STATION 138KV'	38	-0.00421	-0.20772	113
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'WEATHERFORD 34KV'	148	-0.00531	-0.20662	113
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'WELEETKA 138KV'	84	-0.00512	-0.20681	113
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'COMANCHE 138KV'	160	-0.00563	-0.2063	114
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'COMANCHE 69KV'	63	-0.00565	-0.20628	114
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'SOUTHWESTERN STATION 138KV'	143	-0.00559	-0.20634	114
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00559	-0.20634	114
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'KNOXLEE 138KV'	103	-0.00922	-0.20271	116
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'EASTMAN 138KV'	355	-0.01312	-0.19881	118
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'WELSH 345KV'	1044	-0.01274	-0.19919	118
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'WILKES 345KV'	191	-0.01657	-0.19536	120
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'LEBROCK 345KV'	465	-0.01831	-0.19362	121
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'PIRKEY GENERATION 138KV'	490	-0.0246	-0.18733	125
AEPW	'LIEBERMAN 138KV'	202.6699	-0.21193	AEPW	'WILKES 138KV'	140.8552	-0.02865	-0.18328	128

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

Upgrade: LINWOOD - MCWILLIE STREET 138KV CKT 1
Limiting Facility: LINWOOD - MCWILLIE STREET 138KV CKT 1
Direction: From->To
Line Outage: HARTS ISLAND - SOUTH SHREVEPORT 138KV CKT 1
Flowgate: 534225342815341453446134O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1158760	5.9	23.7
1162763	6.0	23.7
1162766	6.0	23.7
1162768	5.8	23.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'FITZHUGH 161KV'	30.99999	-0.00243	-0.50065	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'FLINT CREEK 161KV'	420	-0.00352	-0.49956	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.00392	-0.49916	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00392	-0.49916	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00391	-0.49917	47
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'COGENTRIX 345KV'	504	-0.00424	-0.49884	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'COMANCHE 138KV'	160	-0.00564	-0.49744	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'COMANCHE 69KV'	63	-0.00565	-0.49743	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'EASTMAN 138KV'	155	-0.01312	-0.48996	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'KNOXLEE 138KV'	225	-0.00923	-0.49385	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'NARROWS 69KV'	22	-0.01302	-0.49006	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'OEC 345KV'	519	-0.00412	-0.49896	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'RIVERSIDE STATION 138KV'	646	-0.00425	-0.49883	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'SOUTHWESTERN STATION 138KV'	274	-0.00559	-0.49749	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'TULSA POWER STATION 138KV'	75	-0.00421	-0.49887	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'TULSA POWER STATION 138KV'	147	-0.00421	-0.49887	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'WEATHERFORD 34KV'	148	-0.0053	-0.49778	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'WELEETKA 138KV'	70	-0.00512	-0.49796	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'WELSH 345KV'	990	-0.01274	-0.49034	48
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'LEBROCK 345KV'	515	-0.01831	-0.48477	49
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'WILKES 345KV'	311	-0.01657	-0.48651	49
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'PIRKEY GENERATION 138KV'	475	-0.0246	-0.47848	50
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'WILKES 138KV'	364.1296	-0.02865	-0.47443	50
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'COGENTRIX 345KV'	504	-0.00424	-0.35649	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'FITZHUGH 161KV'	30.99999	-0.00243	-0.3583	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'FLINT CREEK 161KV'	420	-0.00352	-0.35721	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.00392	-0.35681	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00392	-0.35681	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00391	-0.35682	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'OEC 345KV'	519	-0.00412	-0.35661	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'RIVERSIDE STATION 138KV'	646	-0.00425	-0.35648	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'TULSA POWER STATION 138KV'	75	-0.00421	-0.35652	66

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

AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'TULSA POWER STATION 138KV'	147	-0.00421	-0.35652	66
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'COMANCHE 138KV'	160	-0.00564	-0.35509	67
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'COMANCHE 69KV'	63	-0.00565	-0.35508	67
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'KNOXLEE 138KV'	225	-0.00923	-0.3515	67
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'SOUTHWESTERN STATION 138KV'	274	-0.00559	-0.35514	67
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'WEATHERFORD 34KV'	148	-0.0053	-0.35543	67
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'WELEETKA 138KV'	70	-0.00512	-0.35561	67
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'EASTMAN 138KV'	155	-0.01312	-0.34761	68
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'WELSH 345KV'	990	-0.01274	-0.34799	68
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'LEBROCK 345KV'	515	-0.01831	-0.34242	69
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'WILKES 345KV'	311	-0.01657	-0.34416	69
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'PIRKEY GENERATION 138KV'	475	-0.0246	-0.33613	71
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'WILKES 138KV'	364.1296	-0.02865	-0.33208	71
AEPW	'AH-CC_ST18.0 138KV'	550	-0.50308	AEPW	'LIEBERMAN 138KV'	73.99999	-0.21193	-0.29115	81
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'COGENTRIX 345KV'	504	-0.00424	-0.20769	114
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'FLINT CREEK 161KV'	420	-0.00352	-0.20841	114
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.00392	-0.20801	114
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00392	-0.20801	114
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00391	-0.20802	114
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'OEC 345KV'	519	-0.00412	-0.20781	114
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'RIVERSIDE STATION 138KV'	646	-0.00425	-0.20768	114
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'TULSA POWER STATION 138KV'	75	-0.00421	-0.20772	114
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'TULSA POWER STATION 138KV'	147	-0.00421	-0.20772	114
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'COMANCHE 138KV'	160	-0.00564	-0.20629	115
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'COMANCHE 69KV'	63	-0.00565	-0.20628	115
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'SOUTHWESTERN STATION 138KV'	274	-0.00559	-0.20634	115
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'WEATHERFORD 34KV'	148	-0.0053	-0.20663	115
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'WELEETKA 138KV'	70	-0.00512	-0.20681	115
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'KNOXLEE 138KV'	225	-0.00923	-0.2027	117
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'EASTMAN 138KV'	155	-0.01312	-0.19881	119
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'WELSH 345KV'	990	-0.01274	-0.19919	119
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'WILKES 345KV'	311	-0.01657	-0.19536	121
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'LEBROCK 345KV'	515	-0.01831	-0.19362	122
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'PIRKEY GENERATION 138KV'	475	-0.0246	-0.18733	127
AEPW	'LIEBERMAN 138KV'	154	-0.21193	AEPW	'WILKES 138KV'	364.1296	-0.02865	-0.18328	129
AEPW	'ARSENAL HILL 69KV'	99	-0.36073	AEPW	'LIEBERMAN 138KV'	73.99999	-0.21193	-0.1488	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: LINWOOD - MCWILLIE STREET 138KV CKT 1
Limiting Facility: LINWOOD - MCWILLIE STREET 138KV CKT 1
Direction: From->To
Line Outage: LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1
Flowgate: 53422534281LONGNGWOOD7411408SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1158760	1.0	4.4
1158761	1.0	4.4
1162763	0.8	4.4
1162766	0.8	4.4
1162768	0.8	4.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'AEP-CT0613.8 161KV'	320	-0.00376	-0.45353	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'COGENTRIX 345KV'	400	-0.00466	-0.45263	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'COMANCHE 138KV'	160	-0.00646	-0.45083	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'COMANCHE 69KV'	63	-0.00647	-0.45082	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'EASTMAN 138KV'	355	-0.03022	-0.42707	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'FITZHUGH 161KV'	101	-0.00217	-0.45512	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'FLINT CREEK 161KV'	428	-0.00379	-0.4535	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'KNOXLEE 138KV'	103	-0.02825	-0.42904	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'L&D13 69KV'	11	-0.00269	-0.4546	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'LEBROCK 345KV'	465	-0.03215	-0.42514	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'NARROWS 69KV'	22	-0.0149	-0.44239	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00429	-0.453	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.00429	-0.453	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00428	-0.45301	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'OEC 345KV'	319	-0.00451	-0.45278	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'RIVERSIDE STATION 138KV'	422	-0.00468	-0.45261	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'SLEEPING BEAR 138KV'	80	-0.00576	-0.45153	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'SOUTHWESTERN STATION 138KV'	143	-0.00639	-0.4509	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00639	-0.4509	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'TULSA POWER STATION 138KV'	38	-0.00463	-0.45266	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'WEATHERFORD 34KV'	148	-0.00605	-0.45124	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'WELEETKA 138KV'	84	-0.00573	-0.45156	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'WELSH 345KV'	1044	-0.01625	-0.44104	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'WILKES 138KV'	140.8552	-0.03089	-0.4264	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'WILKES 345KV'	191	-0.01122	-0.44607	10
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'PIRKEY GENERATION 138KV'	490	-0.04259	-0.4147	11
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'AEP-CT0613.8 161KV'	320	-0.00376	-0.3227	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'COGENTRIX 345KV'	400	-0.00466	-0.3218	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'COMANCHE 138KV'	160	-0.00646	-0.32	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'COMANCHE 69KV'	63	-0.00647	-0.31999	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'FITZHUGH 161KV'	101	-0.00217	-0.32429	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'FLINT CREEK 161KV'	428	-0.00379	-0.32267	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'L&D13 69KV'	11	-0.00269	-0.32377	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'NARROWS 69KV'	22	-0.0149	-0.31156	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.00429	-0.32217	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00429	-0.32217	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00428	-0.32218	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'OEC 345KV'	319	-0.00451	-0.32195	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'RIVERSIDE STATION 138KV'	422	-0.00468	-0.32178	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'SLEEPING BEAR 138KV'	80	-0.00576	-0.3207	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00639	-0.32007	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'SOUTHWESTERN STATION 138KV'	143	-0.00639	-0.32007	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'TULSA POWER STATION 138KV'	38	-0.00463	-0.32183	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'WEATHERFORD 34KV'	148	-0.00605	-0.32041	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'WELEETKA 138KV'	84	-0.00573	-0.32073	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'WELSH 345KV'	1044	-0.01625	-0.31021	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'WILKES 345KV'	191	-0.01122	-0.31524	14
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'EASTMAN 138KV'	355	-0.03022	-0.29624	15
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'KNOXLEE 138KV'	103	-0.02825	-0.29821	15
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'LEBROCK 345KV'	465	-0.03215	-0.29431	15
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'WILKES 138KV'	140.8552	-0.03089	-0.29557	15
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'PIRKEY GENERATION 138KV'	490	-0.04259	-0.28387	16
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'AEP-CT0613.8 161KV'	320	-0.00376	-0.23196	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'COGENTRIX 345KV'	400	-0.00466	-0.23106	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'COMANCHE 138KV'	160	-0.00646	-0.22926	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'COMANCHE 69KV'	63	-0.00647	-0.22925	19

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

AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'FITZHUGH 161KV'	101	-0.00217	-0.23355	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'FLINT CREEK 161KV'	428	-0.00379	-0.23193	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'L&D13 69KV'	11	-0.00269	-0.23303	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00429	-0.23143	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.00429	-0.23143	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00428	-0.23144	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'OEC 345KV'	319	-0.00451	-0.23121	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'RIVERSIDE STATION 138KV'	422	-0.00468	-0.23104	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'SLEEPING BEAR 138KV'	80	-0.00576	-0.22996	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00639	-0.22933	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'SOUTHWESTERN STATION 138KV'	143	-0.00639	-0.22933	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'TULSA POWER STATION 138KV'	38	-0.00463	-0.23109	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'WEATHERFORD 34KV'	148	-0.00605	-0.22967	19
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'WELEETKA 138KV'	84	-0.00573	-0.22999	19
AEPW	'AH-CC_ST18.0 138KV'	550	-0.45729	AEPW	'LIEBERMAN 138KV'	25.33008	-0.23572	-0.22157	20
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'NARROWS 69KV'	22	-0.0149	-0.22082	20
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'WELSH 345KV'	1044	-0.01625	-0.21947	20
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'WILKES 345KV'	191	-0.01122	-0.2245	20
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'EASTMAN 138KV'	355	-0.03022	-0.2055	21
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'KNOXLEE 138KV'	103	-0.02825	-0.20747	21
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'LEBROCK 345KV'	465	-0.03215	-0.20357	22
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'WILKES 138KV'	140.8552	-0.03089	-0.20483	22
AEPW	'LIEBERMAN 138KV'	202.6699	-0.23572	AEPW	'PIRKEY GENERATION 138KV'	490	-0.04259	-0.19313	23
AEPW	'ARSENAL HILL 69KV'	99	-0.32646	AEPW	'LIEBERMAN 138KV'	25.33008	-0.23572	-0.09074	49

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

Upgrade: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Limiting Facility: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Direction: To->From
Line Outage: GRD OAK - PLEASANT HILL 345KV CKT 1
Flowgate: 592105925915919859200124O6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162649	4.2	4.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
MIPU	'GREENWOOD 161KV'	247.4621	-0.04821	MIPU	'SOUTH HARPER 161KV'	315	0.39792	-0.44613	9
MIPU	'ARIES 161KV'	595	-0.0452	MIPU	'SOUTH HARPER 161KV'	315	0.39792	-0.44312	10
MIPU	'LAKE ROAD 161KV'	91	-0.01587	MIPU	'SOUTH HARPER 161KV'	315	0.39792	-0.41379	10
MIPU	'NEVADA 69KV'	20.3	-0.01075	MIPU	'SOUTH HARPER 161KV'	315	0.39792	-0.40867	10
MIPU	'SIBLEY 161KV'	13.62793	-0.03368	MIPU	'SOUTH HARPER 161KV'	315	0.39792	-0.4316	10
MIPU	'TWA 161KV'	32.1	-0.02461	MIPU	'SOUTH HARPER 161KV'	315	0.39792	-0.42253	10
MIPU	'RALPH GREEN 69KV'	73.7	0.07361	MIPU	'SOUTH HARPER 161KV'	315	0.39792	-0.32431	13
KACP	'HAWTHORN 161KV'	383	-0.03194	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07361	57
KACP	'NORTHEAST 13KV'	56	-0.02939	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07106	59
KACP	'NORTHEAST 13KV'	56	-0.02939	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07106	59
KACP	'NORTHEAST 13KV'	58	-0.02939	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07106	59
KACP	'NORTHEAST 13KV'	59	-0.02939	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07106	59
KACP	'NORTHEAST 161KV'	55	-0.02939	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07106	59
KACP	'NORTHEAST 161KV'	58	-0.02939	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07106	59
KACP	'NORTHEAST 161KV'	58	-0.02939	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07106	59
KACP	'NORTHEAST 161KV'	58	-0.02939	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07106	59
KACP	'GRAND AVENUE 161KV'	65	-0.02898	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.07065	60
KACP	'MONTROSE 161KV'	65.7323	-0.02093	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.0626	67
KACP	'CITY OF HIGGINSVILLE 69KV'	36	-0.02043	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.0621	68
KACP	'MARSHALL 161KV'	39.1	-0.01608	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.05775	73
KACP	'BULL CREEK 161KV'	308	-0.00395	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.04562	93
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	0.00157	KACP	'LACYGNE UNIT 345KV'	962	0.04167	-0.0401	105
MIPU	'GREENWOOD 161KV'	247.4621	-0.04821	MIPU	'LAKE ROAD 34KV'	92	-0.01587	-0.03234	131

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

Upgrade: MEDICINE LODGE - SUN CITY 115KV CKT 1
Limiting Facility: MEDICINE LODGE - SUN CITY 115KV CKT 1
Direction: To->From
Line Outage: MULLERGREN - SPEARVILLE 230KV CKT 1
Flowgate: 587735879715877958795111O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162649	2.0	2.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WEPL	'HARPER 138KV'	17.21	-0.12652	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.36354	5
WEPL	'HARPER 138KV'	17.21	-0.12652	WEPL	'JUDSON LARGE 115KV'	116.6512	0.23868	-0.3652	5
WEPL	'HARPER 138KV'	17.21	-0.12652	WEPL	'CIMARRON RIVER 115KV'	32.22301	0.14599	-0.27251	7
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.03192	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.26894	7
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.03192	WEPL	'JUDSON LARGE 115KV'	116.6512	0.23868	-0.2706	7
WEPL	'RUSSELL 115KV'	27.9	-0.02558	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.2626	7
WEPL	'RUSSELL 115KV'	27.9	-0.02558	WEPL	'JUDSON LARGE 115KV'	116.6512	0.23868	-0.26426	7
WEPL	'BELOIT 115KV'	16.6	-0.0122	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.24922	8
WEPL	'BELOIT 115KV'	16.6	-0.0122	WEPL	'JUDSON LARGE 115KV'	116.6512	0.23868	-0.25088	8
WEPL	'GREENLEAF 115KV'	14.2	-0.00798	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.245	8
WEPL	'GREENLEAF 115KV'	14.2	-0.00798	WEPL	'JUDSON LARGE 115KV'	116.6512	0.23868	-0.24666	8
WEPL	'PLAINVILLE 115KV'	5.79	-0.01196	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.24898	8
WEPL	'PLAINVILLE 115KV'	5.79	-0.01196	WEPL	'JUDSON LARGE 115KV'	116.6512	0.23868	-0.25064	8
WEPL	'SMITH CENTER 115KV'	6.15	-0.01483	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.25185	8
WEPL	'SMITH CENTER 115KV'	6.15	-0.01483	WEPL	'JUDSON LARGE 115KV'	116.6512	0.23868	-0.25351	8
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.03192	WEPL	'CIMARRON RIVER 115KV'	32.22301	0.14599	-0.17791	11
WEPL	'RUSSELL 115KV'	27.9	-0.02558	WEPL	'CIMARRON RIVER 115KV'	32.22301	0.14599	-0.17157	11
WEPL	'BELOIT 115KV'	16.6	-0.0122	WEPL	'CIMARRON RIVER 115KV'	32.22301	0.14599	-0.15819	12
WEPL	'PLAINVILLE 115KV'	5.79	-0.01196	WEPL	'CIMARRON RIVER 115KV'	32.22301	0.14599	-0.15795	12
WEPL	'SMITH CENTER 115KV'	6.15	-0.01483	WEPL	'CIMARRON RIVER 115KV'	32.22301	0.14599	-0.16082	12
WEPL	'GREENLEAF 115KV'	14.2	-0.00798	WEPL	'CIMARRON RIVER 115KV'	32.22301	0.14599	-0.15397	13
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'COLBY 115KV'	7.097449	0.04836	-0.1397	14
WERE	'RICE 115KV'	999	-0.09134	WERE	'COLBY 115KV'	7.097449	0.04836	-0.1397	14
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'COLBY 115KV'	7.097449	0.04836	-0.1397	14
KACP	'GARDNER 161KV'	11	-0.00476	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.13147	15
KACP	'GRAND AVENUE 161KV'	65	-0.00363	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.13034	15
KACP	'MARSHALL 161KV'	54.1	-0.00187	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.12858	15
KACP	'MONTROSE 161KV'	23.58649	-0.00369	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1304	15
KACP	'NORTHEAST 13KV'	29.25684	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	15
KACP	'NORTHEAST 13KV'	59	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	15
KACP	'NORTHEAST 161KV'	58	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	15

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

KACP	'NORTHEAST 161KV'	58	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	15
WEPL	'HARPER 138KV'	17.21	-0.12652	WEPL	'CLIFTON 115KV'	65	-0.00909	-0.11743	17
WEPL	'CIMARRON RIVER 115KV'	14.77699	0.14599	WEPL	'JUDSON LARGE 115KV'	116.6512	0.23868	-0.09269	21
WEPL	'HARPER 138KV'	17.21	-0.12652	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.03192	-0.0946	21
WEPL	'CIMARRON RIVER 115KV'	14.77699	0.14599	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.09103	22
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'CHANUTE 69KV'	56.723	-0.00543	-0.08591	23
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'CITY OF ERIE 69KV'	23.27	-0.00543	-0.08591	23
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'CITY OF IOLA 69KV'	24.267	-0.00515	-0.08619	23
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	-0.00663	-0.08471	23
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 230KV'	229.8306	-0.00701	-0.08433	23
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00734	-0.084	23
WERE	'RICE 115KV'	999	-0.09134	WERE	'CHANUTE 69KV'	56.723	-0.00543	-0.08591	23
WERE	'RICE 115KV'	999	-0.09134	WERE	'CITY OF ERIE 69KV'	23.27	-0.00543	-0.08591	23
WERE	'RICE 115KV'	999	-0.09134	WERE	'CITY OF IOLA 69KV'	24.267	-0.00515	-0.08619	23
WERE	'RICE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 115KV'	105	-0.00663	-0.08471	23
WERE	'RICE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 230KV'	229.8306	-0.00701	-0.08433	23
WERE	'RICE 115KV'	999	-0.09134	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00734	-0.084	23
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.00939	-0.08195	24
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00863	-0.08271	24
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00856	-0.08278	24
WERE	'RICE 115KV'	999	-0.09134	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.00939	-0.08195	24
WERE	'RICE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00863	-0.08271	24
WERE	'RICE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00856	-0.08278	24
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.01365	-0.07769	25
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.01353	-0.07781	25
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'CLAY CENTER JUNCTION 115KV'	22.939	-0.01214	-0.0792	25
WERE	'RICE 115KV'	999	-0.09134	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.01365	-0.07769	25
WERE	'RICE 115KV'	999	-0.09134	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.01353	-0.07781	25
WERE	'RICE 115KV'	999	-0.09134	WERE	'CLAY CENTER JUNCTION 115KV'	22.939	-0.01214	-0.0792	25
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.01574	-0.0756	26
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.0156	-0.07574	26
WERE	'RICE 115KV'	999	-0.09134	WERE	'CITY OF WELLINGTON 69KV'	41.45	-0.01574	-0.0756	26
WERE	'RICE 115KV'	999	-0.09134	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.0156	-0.07574	26
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9326	-0.02186	-0.06948	28
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'GILL ENERGY CENTER 69KV'	75	-0.02213	-0.06921	28
WERE	'RICE 115KV'	999	-0.09134	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9326	-0.02186	-0.06948	28
WERE	'RICE 115KV'	999	-0.09134	WERE	'GILL ENERGY CENTER 69KV'	75	-0.02213	-0.06921	28
SUNC	'CITY OF NORTON 115KV'	10.56	0.02256	SUNC	'GARDEN CITY 115KV'	56.23386	0.08908	-0.06652	29
SUNC	'CITY OF NORTON 115KV'	10.56	0.02256	SUNC	'HOLCOMB 115KV'	266.2487	0.09122	-0.06866	29
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'GILL ENERGY CENTER 138KV'	171	-0.02483	-0.06651	29
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'WACO 138KV'	17.96	-0.0239	-0.06744	29
WERE	'RICE 115KV'	999	-0.09134	WERE	'GILL ENERGY CENTER 138KV'	171	-0.02483	-0.06651	29
WERE	'RICE 115KV'	999	-0.09134	WERE	'WACO 138KV'	17.96	-0.0239	-0.06744	29
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	-0.02785	-0.06349	31
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.02792	-0.06342	31
WERE	'RICE 115KV'	999	-0.09134	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	-0.02785	-0.06349	31
WERE	'RICE 115KV'	999	-0.09134	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.02792	-0.06342	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: MEDICINE LODGE - SUN CITY 115KV CKT 1
Limiting Facility: MEDICINE LODGE - SUN CITY 115KV CKT 1
Direction: To->From
Line Outage: MULLERGREN - SPEARVILLE 230KV CKT 1
Flowgate: 587735879715877958795131O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1162649	1.6	1.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WEPL	'HARPER 138KV'	17.21	-0.12652	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.36354	4
WEPL	'HARPER 138KV'	17.21	-0.12652	WEPL	'JUDSON LARGE 115KV'	116.4887	0.23868	-0.3652	4
WEPL	'BELOIT 115KV'	16.6	-0.0122	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.24922	6
WEPL	'BELOIT 115KV'	16.6	-0.0122	WEPL	'JUDSON LARGE 115KV'	116.4887	0.23868	-0.25088	6
WEPL	'CLIFTON 115KV'	23.50055	-0.00909	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.24611	6
WEPL	'CLIFTON 115KV'	23.50055	-0.00909	WEPL	'JUDSON LARGE 115KV'	116.4887	0.23868	-0.24777	6
WEPL	'GREENLEAF 115KV'	14.2	-0.00798	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.245	6
WEPL	'GREENLEAF 115KV'	14.2	-0.00798	WEPL	'JUDSON LARGE 115KV'	116.4887	0.23868	-0.24666	6
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.03192	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.26894	6
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	-0.03192	WEPL	'JUDSON LARGE 115KV'	116.4887	0.23868	-0.2706	6
WEPL	'PLAINVILLE 115KV'	5.79	-0.01196	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.24898	6
WEPL	'PLAINVILLE 115KV'	5.79	-0.01196	WEPL	'JUDSON LARGE 115KV'	116.4887	0.23868	-0.25064	6
WEPL	'RUSSELL 115KV'	27.9	-0.02558	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.2626	6
WEPL	'RUSSELL 115KV'	27.9	-0.02558	WEPL	'JUDSON LARGE 115KV'	116.4887	0.23868	-0.26426	6
WEPL	'SMITH CENTER 115KV'	6.15	-0.01483	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.25185	6
WEPL	'SMITH CENTER 115KV'	6.15	-0.01483	WEPL	'JUDSON LARGE 115KV'	116.4887	0.23868	-0.25351	6
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'COLBY 115KV'	6.489477	0.04836	-0.1397	11
WERE	'RICE 115KV'	999	-0.09134	WERE	'COLBY 115KV'	6.489477	0.04836	-0.1397	11
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'COLBY 115KV'	6.489477	0.04836	-0.1397	11
KACP	'BULL CREEK 161KV'	290.7461	-0.0048	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.13151	12
KACP	'CITY OF HIGGINSVILLE 69KV'	36	-0.00293	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.12964	12
KACP	'GARDNER 161KV'	11	-0.00476	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.13147	12
KACP	'GRAND AVENUE 161KV'	65	-0.00363	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.13034	12
KACP	'MARSHALL 161KV'	54.1	-0.00187	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.12858	12
KACP	'MONTROSE 161KV'	28.77016	-0.00369	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1304	12
KACP	'NORTHEAST 13KV'	56	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	12
KACP	'NORTHEAST 13KV'	56	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	12
KACP	'NORTHEAST 13KV'	58	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	12
KACP	'NORTHEAST 13KV'	59	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	12
KACP	'NORTHEAST 161KV'	55	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	12
KACP	'NORTHEAST 161KV'	58	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	12
KACP	'NORTHEAST 161KV'	58	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	12
KACP	'NORTHEAST 161KV'	58	-0.00359	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.1303	12
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	-0.00476	KACP	'SPEARVILLE WIND 34KV'	101	0.12671	-0.13147	12
WEPL	'HARPER 138KV'	17.21	-0.12652	WEPL	'CLIFTON 115KV'	41.49945	-0.00909	-0.11743	13
WEPL	'CIMARRON RIVER 115KV'	72	0.14599	WEPL	'GRAY COUNTY WIND FARM 115KV'	63	0.23702	-0.09103	17
WEPL	'CIMARRON RIVER 115KV'	72	0.14599	WEPL	'JUDSON LARGE 115KV'	116.4887	0.23868	-0.09269	17
WEPL	'HARPER 138KV'	17.21	-0.12652	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.03192	-0.0946	17
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'CHANUTE 69KV'	46.617	-0.00543	-0.08591	18
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'CITY OF ERIE 69KV'	23.258	-0.00543	-0.08591	18
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'CITY OF IOLA 69KV'	19.865	-0.00515	-0.08619	18
WERE	'RICE 115KV'	999	-0.09134	WERE	'CHANUTE 69KV'	46.617	-0.00543	-0.08591	18
WERE	'RICE 115KV'	999	-0.09134	WERE	'CITY OF ERIE 69KV'	23.258	-0.00543	-0.08591	18
WERE	'RICE 115KV'	999	-0.09134	WERE	'CITY OF IOLA 69KV'	19.865	-0.00515	-0.08619	18
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'CHANUTE 69KV'	46.617	-0.00543	-0.08591	18
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'CITY OF ERIE 69KV'	23.258	-0.00543	-0.08591	18
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'CITY OF IOLA 69KV'	19.865	-0.00515	-0.08619	18
WERE	'GREAT BEND PLANT 69KV'	10	-0.03641	WERE	'COLBY 115KV'	6.489477	0.04836	-0.08477	19
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00939	-0.08195	19

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

WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00863	-0.08271	19
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00856	-0.08278	19
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00663	-0.08471	19
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 230KV'	223.6519	-0.00701	-0.08433	19
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00734	-0.084	19
WERE	'RICE 115KV'	999	-0.09134	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00939	-0.08195	19
WERE	'RICE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00863	-0.08271	19
WERE	'RICE 115KV'	999	-0.09134	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00856	-0.08278	19
WERE	'RICE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00663	-0.08471	19
WERE	'RICE 115KV'	999	-0.09134	WERE	'LAWRENCE ENERGY CENTER 230KV'	223.6519	-0.00701	-0.08433	19
WERE	'RICE 115KV'	999	-0.09134	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00734	-0.084	19
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00939	-0.08195	19
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00863	-0.08271	19
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00856	-0.08278	19
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00663	-0.08471	19
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'LAWRENCE ENERGY CENTER 230KV'	223.6519	-0.00701	-0.08433	19
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00734	-0.084	19
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.01365	-0.07769	20
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.01353	-0.07781	20
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'CLAY CENTER JUNCTION 115KV'	11.825	-0.01214	-0.0792	20
WERE	'RICE 115KV'	999	-0.09134	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.01365	-0.07769	20
WERE	'RICE 115KV'	999	-0.09134	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.01353	-0.07781	20
WERE	'RICE 115KV'	999	-0.09134	WERE	'CLAY CENTER JUNCTION 115KV'	11.825	-0.01214	-0.0792	20
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.01365	-0.07769	20
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.01353	-0.07781	20
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'CLAY CENTER JUNCTION 115KV'	11.825	-0.01214	-0.0792	20
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.01574	-0.0756	21
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'EVANS ENERGY CENTER 138KV'	316.6238	-0.0156	-0.07574	21
WERE	'RICE 115KV'	999	-0.09134	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.01574	-0.0756	21
WERE	'RICE 115KV'	999	-0.09134	WERE	'EVANS ENERGY CENTER 138KV'	316.6238	-0.0156	-0.07574	21
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.01574	-0.0756	21
WERE	'ST JOHN 115KV'	7.5	-0.09134	WERE	'EVANS ENERGY CENTER 138KV'	316.6238	-0.0156	-0.07574	21
SUNC	'CITY OF NORTON 115KV'	10.56	0.02256	SUNC	'HOLCOMB 115KV'	268.647	0.09122	-0.06866	23
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'WACO 138KV'	17.947	-0.0239	-0.06744	23
WERE	'RICE 115KV'	999	-0.09134	WERE	'WACO 138KV'	17.947	-0.0239	-0.06744	23
SUNC	'CITY OF NORTON 115KV'	10.56	0.02256	SUNC	'GARDEN CITY 115KV'	14.4957	0.08908	-0.06652	24
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'GILL ENERGY CENTER 138KV'	155	-0.02483	-0.06651	24
WERE	'RICE 115KV'	999	-0.09134	WERE	'GILL ENERGY CENTER 138KV'	155	-0.02483	-0.06651	24
WERE	'PAWNEE 115KV'	999	-0.09134	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.02785	-0.06349	25
WERE	'RICE 115KV'	999	-0.09134	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.02785	-0.06349	25

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

Upgrade: 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: 5196651969151891518901107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	4.4	8.5
1162675	4.2	8.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'MADOX 115KV'	10	-0.12508	SPS	'MUSTG5 118.0 230KV'	310	0.24436	-0.36944	23
SPS	'CARLSBAD 69KV'	18	-0.03923	SPS	'MUSTG5 118.0 230KV'	310	0.24436	-0.28359	30
SPS	'LP-BRND2 69KV'	108	-0.01318	SPS	'MUSTG5 118.0 230KV'	310	0.24436	-0.25754	33
SPS	'NICHOLS 115KV'	16.88575	0.00526	SPS	'MUSTG5 118.0 230KV'	310	0.24436	-0.2391	36
SPS	'NICHOLS 230KV'	97	0.00538	SPS	'MUSTG5 118.0 230KV'	310	0.24436	-0.23898	36
SPS	'RIVERVIEW 69KV'	23	0.00538	SPS	'MUSTG5 118.0 230KV'	310	0.24436	-0.23898	36
SPS	'TUCUMCARI 115KV'	15	0.0126	SPS	'MUSTG5 118.0 230KV'	310	0.24436	-0.23176	37
SPS	'TOLK 230KV'	54.81689	0.01795	SPS	'MUSTG5 118.0 230KV'	310	0.24436	-0.22641	38
SPS	'LP-BRND2 69KV'	108	-0.01318	SPS	'TOLK 230KV'	1025.183	0.01795	-0.03113	274

Maximum Decrement and Maximum Increment were determine from the Souce 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: 5196651969152205518911320 7FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	6.0	11.7
1162675	5.7	11.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	71	-0.21032	SPS	'MUSTG5 118.0 230KV'	160	0.25702	-0.46734	25
SPS	'CUNNINGHAM 115KV'	110	-0.21032	SPS	'MUSTG5 118.0 230KV'	160	0.25702	-0.46734	25
SPS	'MADOX 115KV'	75	-0.21294	SPS	'MUSTG5 118.0 230KV'	160	0.25702	-0.46996	25
SPS	'CUNNINGHAM 230KV'	306	-0.16698	SPS	'MUSTG5 118.0 230KV'	160	0.25702	-0.424	28
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'MUSTG5 118.0 230KV'	160	0.25702	-0.39242	30
SPS	'LP-BRND2 69KV'	172	-0.00588	SPS	'MUSTG5 118.0 230KV'	160	0.25702	-0.2629	45
SPS	'TUCUMCARI 115KV'	15	-0.00486	SPS	'MUSTG5 118.0 230KV'	160	0.25702	-0.26188	45
SPS	'MOORE COUNTY 115KV'	48	0.00296	SPS	'MUSTG5 118.0 230KV'	160	0.25702	-0.25406	46
SPS	'NICHOLS 115KV'	213	0.00271	SPS	'MUSTG5 118.0 230KV'	160	0.25702	-0.25431	46
SPS	'NICHOLS 230KV'	244	0.0028	SPS	'MUSTG5 118.0 230KV'	160	0.25702	-0.25422	46
SPS	'PLANTX 115KV'	105.3569	0.0048	SPS	'MUSTG5 118.0 230KV'	160	0.25702	-0.25222	46
SPS	'RIVERVIEW 69KV'	23	0.0028	SPS	'MUSTG5 118.0 230KV'	160	0.25702	-0.25422	46
SPS	'TOLK 230KV'	48.52213	0.00822	SPS	'MUSTG5 118.0 230KV'	160	0.25702	-0.2488	47
SPS	'CUNNINGHAM 115KV'	71	-0.21032	SPS	'PLANTX 230KV'	189	0.0095	-0.21982	53
SPS	'CUNNINGHAM 115KV'	110	-0.21032	SPS	'PLANTX 230KV'	189	0.0095	-0.21982	53
SPS	'MADOX 115KV'	75	-0.21294	SPS	'PLANTX 230KV'	189	0.0095	-0.22244	53
SPS	'MADOX 115KV'	75	-0.21294	SPS	'TOLK 230KV'	1031.478	0.00822	-0.22116	53
SPS	'CUNNINGHAM 115KV'	71	-0.21032	SPS	'PLANTX 115KV'	147.6431	0.0048	-0.21512	54
SPS	'CUNNINGHAM 115KV'	110	-0.21032	SPS	'PLANTX 115KV'	147.6431	0.0048	-0.21512	54
SPS	'CUNNINGHAM 115KV'	71	-0.21032	SPS	'TOLK 230KV'	1031.478	0.00822	-0.21854	54
SPS	'CUNNINGHAM 115KV'	110	-0.21032	SPS	'TOLK 230KV'	1031.478	0.00822	-0.21854	54
SPS	'MADOX 115KV'	75	-0.21294	SPS	'BLACKHAWK 115KV'	220	0.0028	-0.21574	54
SPS	'MADOX 115KV'	75	-0.21294	SPS	'CZ 69KV'	35	0.00253	-0.21547	54
SPS	'MADOX 115KV'	75	-0.21294	SPS	'HARRINGTON 230KV'	1066	0.00284	-0.21578	54
SPS	'MADOX 115KV'	75	-0.21294	SPS	'PLANTX 115KV'	147.6431	0.0048	-0.21774	54
SPS	'MADOX 115KV'	75	-0.21294	SPS	'STEER WATER 115KV'	23	0.00262	-0.21556	54
SPS	'MADOX 115KV'	75	-0.21294	SPS	'WILWIND 230KV'	46.08	0.00387	-0.21681	54

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

SPS	'CUNNINGHAM 115KV'	71	-0.21032	SPS	'BLACKHAWK 115KV'	220	0.0028	-0.21312	55
SPS	'CUNNINGHAM 115KV'	110	-0.21032	SPS	'BLACKHAWK 115KV'	220	0.0028	-0.21312	55
SPS	'CUNNINGHAM 115KV'	71	-0.21032	SPS	'CZ 69KV'	35	0.00253	-0.21285	55
SPS	'CUNNINGHAM 115KV'	110	-0.21032	SPS	'CZ 69KV'	35	0.00253	-0.21285	55
SPS	'CUNNINGHAM 115KV'	71	-0.21032	SPS	'HARRINGTON 230KV'	1066	0.00284	-0.21316	55
SPS	'CUNNINGHAM 115KV'	110	-0.21032	SPS	'HARRINGTON 230KV'	1066	0.00284	-0.21316	55
SPS	'CUNNINGHAM 115KV'	71	-0.21032	SPS	'STEER WATER 115KV'	23	0.00262	-0.21294	55
SPS	'CUNNINGHAM 115KV'	110	-0.21032	SPS	'STEER WATER 115KV'	23	0.00262	-0.21294	55
SPS	'CUNNINGHAM 115KV'	71	-0.21032	SPS	'WILWIND 230KV'	46.08	0.00387	-0.21419	55
SPS	'CUNNINGHAM 115KV'	110	-0.21032	SPS	'WILWIND 230KV'	46.08	0.00387	-0.21419	55
SPS	'MADOX 115KV'	75	-0.21294	SPS	'CAPROCK 115KV'	23	-0.00486	-0.20808	56
SPS	'MADOX 115KV'	75	-0.21294	SPS	'JONES 230KV'	486	-0.00528	-0.20766	56
SPS	'CUNNINGHAM 115KV'	71	-0.21032	SPS	'CAPROCK 115KV'	23	-0.00486	-0.20546	57
SPS	'CUNNINGHAM 115KV'	110	-0.21032	SPS	'CAPROCK 115KV'	23	-0.00486	-0.20546	57
SPS	'CUNNINGHAM 115KV'	71	-0.21032	SPS	'JONES 230KV'	486	-0.00528	-0.20504	57
SPS	'CUNNINGHAM 115KV'	110	-0.21032	SPS	'JONES 230KV'	486	-0.00528	-0.20504	57
SPS	'CUNNINGHAM 115KV'	71	-0.21032	SPS	'LP-BRND2 69KV'	60	-0.00588	-0.20444	57
SPS	'CUNNINGHAM 115KV'	110	-0.21032	SPS	'LP-BRND2 69KV'	60	-0.00588	-0.20444	57
SPS	'MADOX 115KV'	75	-0.21294	SPS	'LP-BRND2 69KV'	60	-0.00588	-0.20706	57
SPS	'CUNNINGHAM 230KV'	306	-0.16698	SPS	'PLANTX 230KV'	189	0.0095	-0.17648	66
SPS	'CUNNINGHAM 230KV'	306	-0.16698	SPS	'TOLK 230KV'	1031.478	0.00822	-0.1752	67
SPS	'MADOX 115KV'	75	-0.21294	SPS	'SAN JUAN 230KV'	35	-0.03776	-0.17518	67
SPS	'CUNNINGHAM 115KV'	71	-0.21032	SPS	'SAN JUAN 230KV'	35	-0.03776	-0.17256	68
SPS	'CUNNINGHAM 115KV'	110	-0.21032	SPS	'SAN JUAN 230KV'	35	-0.03776	-0.17256	68
SPS	'CUNNINGHAM 230KV'	306	-0.16698	SPS	'PLANTX 115KV'	147.6431	0.0048	-0.17178	68
SPS	'CUNNINGHAM 230KV'	306	-0.16698	SPS	'BLACKHAWK 115KV'	220	0.0028	-0.16978	69
SPS	'CUNNINGHAM 230KV'	306	-0.16698	SPS	'CZ 69KV'	35	0.00253	-0.16951	69
SPS	'CUNNINGHAM 230KV'	306	-0.16698	SPS	'HARRINGTON 230KV'	1066	0.00284	-0.16982	69
SPS	'CUNNINGHAM 230KV'	306	-0.16698	SPS	'STEER WATER 115KV'	23	0.00262	-0.1696	69
SPS	'CUNNINGHAM 230KV'	306	-0.16698	SPS	'WILWIND 230KV'	46.08	0.00387	-0.17085	69
SPS	'CUNNINGHAM 230KV'	306	-0.16698	SPS	'JONES 230KV'	486	-0.00528	-0.1617	72
SPS	'CUNNINGHAM 230KV'	306	-0.16698	SPS	'LP-BRND2 69KV'	60	-0.00588	-0.1611	73
SPS	'CUNNINGHAM 230KV'	306	-0.16698	SPS	'SAN JUAN 230KV'	35	-0.03776	-0.12922	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: LEA COUNTY INTERCHANGE - YOAKUM COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 51966519691522055189113407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	2.9	5.8
1162675	2.8	5.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'CUNNINGHAM 115KV'	9.333012	-0.21033	SPS	'MUSTG5 118.0 230KV'	310	0.257	-0.46733	12
SPS	'MADOX 115KV'	62	-0.21295	SPS	'MUSTG5 118.0 230KV'	310	0.257	-0.46995	12
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'MUSTG5 118.0 230KV'	310	0.257	-0.3924	15
SPS	'LP-BRND2 69KV'	152	-0.00604	SPS	'MUSTG5 118.0 230KV'	310	0.257	-0.26304	22
SPS	'TUCUMCARI 115KV'	15	-0.00481	SPS	'MUSTG5 118.0 230KV'	310	0.257	-0.26181	22
SPS	'NICHOLS 115KV'	66.00001	0.0028	SPS	'MUSTG5 118.0 230KV'	310	0.257	-0.2542	23
SPS	'NICHOLS 230KV'	97	0.00289	SPS	'MUSTG5 118.0 230KV'	310	0.257	-0.25411	23
SPS	'PLANTX 115KV'	48	0.00502	SPS	'MUSTG5 118.0 230KV'	310	0.257	-0.25198	23
SPS	'RIVERVIEW 69KV'	23	0.00288	SPS	'MUSTG5 118.0 230KV'	310	0.257	-0.25412	23
SPS	'TOLK 230KV'	47.46628	0.00826	SPS	'MUSTG5 118.0 230KV'	310	0.257	-0.24874	23
SPS	'CUNNINGHAM 115KV'	9.333012	-0.21033	SPS	'PLANTX 230KV'	189	0.00956	-0.21989	26
SPS	'CUNNINGHAM 115KV'	9.333012	-0.21033	SPS	'TOLK 230KV'	1032.534	0.00826	-0.21859	26
SPS	'MADOX 115KV'	62	-0.21295	SPS	'PLANTX 115KV'	205	0.00502	-0.21797	26
SPS	'MADOX 115KV'	62	-0.21295	SPS	'PLANTX 230KV'	189	0.00956	-0.22251	26
SPS	'MADOX 115KV'	62	-0.21295	SPS	'TOLK 230KV'	1032.534	0.00826	-0.22121	26
SPS	'CUNNINGHAM 115KV'	9.333012	-0.21033	SPS	'BLACKHAWK 115KV'	220	0.00288	-0.21321	27
SPS	'CUNNINGHAM 115KV'	9.333012	-0.21033	SPS	'CZ 69KV'	39	0.00261	-0.21294	27
SPS	'CUNNINGHAM 115KV'	9.333012	-0.21033	SPS	'HARRINGTON 230KV'	1066	0.00292	-0.21325	27
SPS	'CUNNINGHAM 115KV'	9.333012	-0.21033	SPS	'HUBRCO2 69KV'	11	0.00288	-0.21321	27
SPS	'CUNNINGHAM 115KV'	9.333012	-0.21033	SPS	'MOORE COUNTY 115KV'	48	0.00305	-0.21338	27
SPS	'CUNNINGHAM 115KV'	9.333012	-0.21033	SPS	'NICHOLS 115KV'	147	0.0028	-0.21313	27
SPS	'CUNNINGHAM 115KV'	9.333012	-0.21033	SPS	'NICHOLS 230KV'	147	0.00289	-0.21322	27
SPS	'CUNNINGHAM 115KV'	9.333012	-0.21033	SPS	'PLANTX 115KV'	205	0.00502	-0.21535	27
SPS	'CUNNINGHAM 115KV'	9.333012	-0.21033	SPS	'SIDRCH 69KV'	20	0.00288	-0.21321	27
SPS	'CUNNINGHAM 115KV'	9.333012	-0.21033	SPS	'WILWIND 230KV'	16	0.00395	-0.21428	27
SPS	'MADOX 115KV'	62	-0.21295	SPS	'BLACKHAWK 115KV'	220	0.00288	-0.21583	27
SPS	'MADOX 115KV'	62	-0.21295	SPS	'CZ 69KV'	39	0.00261	-0.21556	27
SPS	'MADOX 115KV'	62	-0.21295	SPS	'HARRINGTON 230KV'	1066	0.00292	-0.21587	27
SPS	'MADOX 115KV'	62	-0.21295	SPS	'HUBRCO2 69KV'	11	0.00288	-0.21583	27
SPS	'MADOX 115KV'	62	-0.21295	SPS	'MOORE COUNTY 115KV'	48	0.00305	-0.216	27
SPS	'MADOX 115KV'	62	-0.21295	SPS	'NICHOLS 115KV'	147	0.0028	-0.21575	27
SPS	'MADOX 115KV'	62	-0.21295	SPS	'NICHOLS 230KV'	147	0.00289	-0.21584	27
SPS	'MADOX 115KV'	62	-0.21295	SPS	'SIDRCH 69KV'	20	0.00288	-0.21583	27
SPS	'MADOX 115KV'	62	-0.21295	SPS	'WILWIND 230KV'	16	0.00395	-0.2169	27
SPS	'MADOX 115KV'	62	-0.21295	SPS	'JONES 230KV'	486	-0.00544	-0.20751	28
SPS	'MADOX 115KV'	62	-0.21295	SPS	'LP-BRND2 69KV'	80	-0.00604	-0.20691	28
SPS	'MADOX 115KV'	62	-0.21295	SPS	'SAN JUAN 230KV'	12	-0.03772	-0.17523	33
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'PLANTX 230KV'	189	0.00956	-0.14496	40
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'TOLK 230KV'	1032.534	0.00826	-0.14366	40
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'PLANTX 115KV'	205	0.00502	-0.14042	41
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'WILWIND 230KV'	16	0.00395	-0.13935	41
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'BLACKHAWK 115KV'	220	0.00288	-0.13828	42
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'CZ 69KV'	39	0.00261	-0.13801	42
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'HARRINGTON 230KV'	1066	0.00292	-0.13832	42
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'MOORE COUNTY 115KV'	48	0.00305	-0.13845	42
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'NICHOLS 115KV'	147	0.0028	-0.1382	42
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'NICHOLS 230KV'	147	0.00289	-0.13829	42
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'SIDRCH 69KV'	20	0.00288	-0.13828	42
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'JONES 230KV'	486	-0.00544	-0.12996	44
SPS	'CARLSBAD 69KV'	18	-0.1354	SPS	'LP-BRND2 69KV'	80	-0.00604	-0.12936	45
SPS	'MADOX 115KV'	62	-0.21295	SPS	'CUNNINGHAM 230KV'	306	-0.16699	-0.04596	125

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

Upgrade: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Limiting Facility: MUSTANG STATION 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51971 1
Flowgate: 51966519691GEN5197111107SP
Date Redispatch Needed: 6/1/07 - 10/1/07

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

Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	4.1	8.1
1162675	4.0	8.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'MADOX 115KV'	10	-0.11872	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.32991	25
SPS	'CARLSBAD 69KV'	18	-0.04454	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.25573	32
SPS	'LP-BRND2 69KV'	108	-0.00853	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.21972	37
SPS	'NICHOLS 115KV'	16.88575	0.0035	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.20769	39
SPS	'NICHOLS 230KV'	97	0.00359	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.2076	39
SPS	'RIVERVIEW 69KV'	23	0.00358	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.20761	39
SPS	'TUCUMCARI 115KV'	15	0.00665	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.20454	40
SPS	'TOLK 230KV'	54.81689	0.01159	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.1996	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: 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: 51966519691GEN5197211107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	4.1	8.1
1162675	4.0	8.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'MADOX 115KV'	10	-0.11872	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.32991	25
SPS	'CARLSBAD 69KV'	18	-0.04454	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.25573	32
SPS	'LP-BRND2 69KV'	108	-0.00853	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.21972	37
SPS	'NICHOLS 115KV'	16.88575	0.0035	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.20769	39
SPS	'NICHOLS 230KV'	97	0.00359	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.2076	39
SPS	'RIVERVIEW 69KV'	23	0.00358	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.20761	39
SPS	'TUCUMCARI 115KV'	15	0.00665	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.20454	40
SPS	'TOLK 230KV'	54.81689	0.01159	SPS	'MUSTG5 118.0 230KV'	310	0.21119	-0.1996	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: Mustang-San Andr-Amerada Hess 115KV Displacement
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: 51960519661519625196813407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	0.3	0.5
1162675	0.3	0.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'MUSTANG 115KV'	300	0.42994	-0.50646	1
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'MUSTANG 115KV'	300	0.42994	-0.59149	1
SPS	'LP-BRND2 69KV'	152	-0.00258	SPS	'MUSTANG 115KV'	300	0.42994	-0.43252	1
SPS	'MADOX 115KV'	62	-0.16452	SPS	'MUSTANG 115KV'	300	0.42994	-0.59446	1
SPS	'NICHOLS 115KV'	66.00001	0.00126	SPS	'MUSTANG 115KV'	300	0.42994	-0.42868	1
SPS	'NICHOLS 230KV'	97	0.0013	SPS	'MUSTANG 115KV'	300	0.42994	-0.42864	1
SPS	'PLANTX 115KV'	48	0.0022	SPS	'MUSTANG 115KV'	300	0.42994	-0.42774	1
SPS	'RIVERVIEW 69KV'	23	0.0013	SPS	'MUSTANG 115KV'	300	0.42994	-0.42864	1
SPS	'TOLK 230KV'	47.46628	0.00375	SPS	'MUSTANG 115KV'	300	0.42994	-0.42619	1
SPS	'TUCUMCARI 115KV'	15	-0.00267	SPS	'MUSTANG 115KV'	300	0.42994	-0.43261	1
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'MUSTG5 118.0 230KV'	310	0.15058	-0.2271	2
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'MUSTG5 118.0 230KV'	310	0.15058	-0.31213	2
SPS	'MADOX 115KV'	62	-0.16452	SPS	'MUSTG5 118.0 230KV'	310	0.15058	-0.3151	2
SPS	'MUSTG5 118.0 230KV'	150	0.15058	SPS	'MUSTANG 115KV'	300	0.42994	-0.27936	2
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'BLACKHAWK 115KV'	220	0.0013	-0.16285	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'CAPROCK 115KV'	8	-0.00267	-0.15888	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'CZ 69KV'	39	0.00118	-0.16273	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'HARRINGTON 230KV'	1066	0.00132	-0.16287	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'HUBRCO2 69KV'	11	0.0013	-0.16285	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'JONES 230KV'	486	-0.00223	-0.15932	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'LP-BRND2 69KV'	80	-0.00258	-0.15897	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'MOORE COUNTY 115KV'	48	0.00138	-0.16293	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'NICHOLS 115KV'	147	0.00126	-0.16281	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'NICHOLS 230KV'	147	0.0013	-0.16285	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'PLANTX 115KV'	205	0.0022	-0.16375	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'PLANTX 230KV'	189	0.00438	-0.16593	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'SIDRCH 69KV'	20	0.0013	-0.16285	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'STEER WATER 115KV'	8	0.00122	-0.16277	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'TOLK 230KV'	1032.534	0.00375	-0.1653	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'WILWIND 230KV'	16	0.00178	-0.16333	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'BLACKHAWK 115KV'	220	0.0013	-0.16582	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'CAPROCK 115KV'	8	-0.00267	-0.16185	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'CZ 69KV'	39	0.00118	-0.1657	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'HARRINGTON 230KV'	1066	0.00132	-0.16584	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'HUBRCO2 69KV'	11	0.0013	-0.16582	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'JONES 230KV'	486	-0.00223	-0.16229	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'LP-BRND2 69KV'	80	-0.00258	-0.16194	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'MOORE COUNTY 115KV'	48	0.00138	-0.1659	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'NICHOLS 115KV'	147	0.00126	-0.16578	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'NICHOLS 230KV'	147	0.0013	-0.16582	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'PLANTX 115KV'	205	0.0022	-0.16672	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'PLANTX 230KV'	189	0.00438	-0.1689	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'SIDRCH 69KV'	20	0.0013	-0.16582	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'STEER WATER 115KV'	8	0.00122	-0.16574	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'TOLK 230KV'	1032.534	0.00375	-0.16827	3
SPS	'MADOX 115KV'	62	-0.16452	SPS	'WILWIND 230KV'	16	0.00178	-0.1663	3
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'SAN JUAN 230KV'	12	-0.01887	-0.14268	4
SPS	'LP-BRND2 69KV'	152	-0.00258	SPS	'MUSTG5 118.0 230KV'	310	0.15058	-0.15316	4
SPS	'MADOX 115KV'	62	-0.16452	SPS	'SAN JUAN 230KV'	12	-0.01887	-0.14565	4
SPS	'NICHOLS 115KV'	66.00001	0.00126	SPS	'MUSTG5 118.0 230KV'	310	0.15058	-0.14932	4
SPS	'NICHOLS 230KV'	97	0.0013	SPS	'MUSTG5 118.0 230KV'	310	0.15058	-0.14928	4
SPS	'PLANTX 115KV'	48	0.0022	SPS	'MUSTG5 118.0 230KV'	310	0.15058	-0.14838	4

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

SPS	'RIVERVIEW 69KV'	23	0.0013	SPS	'MUSTG5 118.0 230KV'	310	0.15058	-0.14928	4
SPS	'TOLK 230KV'	47.46628	0.00375	SPS	'MUSTG5 118.0 230KV'	310	0.15058	-0.14683	4
SPS	'TUCUMCARI 115KV'	15	-0.00267	SPS	'MUSTG5 118.0 230KV'	310	0.15058	-0.15325	4
SPS	'CUNNINGHAM 115KV'	9.333012	-0.16155	SPS	'CUNNINGHAM 230KV'	306	-0.07301	-0.08854	6
SPS	'MADOX 115KV'	62	-0.16452	SPS	'CUNNINGHAM 230KV'	306	-0.07301	-0.09151	6
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'BLACKHAWK 115KV'	220	0.0013	-0.07782	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'CAPROCK 115KV'	8	-0.00267	-0.07385	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'CZ 69KV'	39	0.00118	-0.0777	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'HARRINGTON 230KV'	1066	0.00132	-0.07784	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'HUBRCO2 69KV'	11	0.0013	-0.07782	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'JONES 230KV'	486	-0.00223	-0.07429	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'LP-BRND2 69KV'	80	-0.00258	-0.07394	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'MOORE COUNTY 115KV'	48	0.00138	-0.0779	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'NICHOLS 115KV'	147	0.00126	-0.07778	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'NICHOLS 230KV'	147	0.0013	-0.07782	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'PLANTX 115KV'	205	0.0022	-0.07872	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'PLANTX 230KV'	189	0.00438	-0.0809	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'SIDRCH 69KV'	20	0.0013	-0.07782	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'STEER WATER 115KV'	8	0.00122	-0.07774	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'TOLK 230KV'	1032.534	0.00375	-0.08027	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'WILWIND 230KV'	16	0.00178	-0.0783	7
SPS	'CARLSBAD 69KV'	18	-0.07652	SPS	'SAN JUAN 230KV'	12	-0.01887	-0.05765	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: Norman Area Voltage Conversion Displacement
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW - GOLDSBY 69KV CKT 1
Flowgate: 558025609515584155924122O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	3.6	7.1
1165218	3.5	7.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06763	WFEC	'HUGO 138KV'	450	-0.00096	-0.06667	106
WFEC	'ANADARKO 69KV'	76	-0.06763	WFEC	'MORLND 138KV'	262.5319	-0.00474	-0.06289	112
WFEC	'ANADARKO 69KV'	76	-0.06763	WFEC	'ANADARKO 138KV'	273.7161	-0.02561	-0.04202	168

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

Upgrade: Norman Area Voltage Conversion Displacement
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW - GOLDSBY 69KV CKT 1
Flowgate: 558025609515584155924122O8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	3.6	7.0
1165218	3.5	7.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06756	WFEC	'HUGO 138KV'	450	-0.00097	-0.06659	106
WFEC	'ANADARKO 69KV'	76	-0.06756	WFEC	'MORLND 138KV'	278.5923	-0.00462	-0.06294	112
WFEC	'ANADARKO 69KV'	76	-0.06756	WFEC	'ANADARKO 138KV'	273.6006	-0.02554	-0.04202	168

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

Upgrade: Norman Area Voltage Conversion Displacement
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW - GOLDSBY 69KV CKT 1
Flowgate: 558025609515584155924132O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1165215	0.8	1.6
1165218	0.8	1.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06763	WFEC	'HUGO 138KV'	450	-0.00096	-0.06667	23
WFEC	'ANADARKO 69KV'	76	-0.06763	WFEC	'ANADARKO 138KV'	204.3693	-0.02561	-0.04202	37

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

Upgrade: Norman Area Voltage Conversion Displacement
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW - GOLDSBY 69KV CKT 1
Flowgate: 558025609515584155924132O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	1.1	2.2
1165218	1.1	2.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06764	WFEC	'HUGO 138KV'	450	-0.00097	-0.06667	33
WFEC	'ANADARKO 69KV'	76	-0.06764	WFEC	'ANADARKO 138KV'	227.8699	-0.02562	-0.04202	52

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

Upgrade: Norman Area Voltage Conversion Displacement

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

Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW - GOLDSBY 69KV CKT 1
Flowgate: 558025609515584155924132O8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	1.3	2.6
1165218	1.3	2.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06756	WFEC	'HUGO 138KV'	450	-0.00098	-0.06658	39
WFEC	'ANADARKO 69KV'	76	-0.06756	WFEC	'ANADARKO 138KV'	241.8519	-0.02555	-0.04201	62

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

Upgrade: Norman Area Voltage Conversion Displacement
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW 138/69KV TRANSFORMER CKT 1
Flowgate: 558025609515584255841112O8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	3.8	7.5
1165218	3.7	7.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.0616	WFEC	'HUGO 138KV'	450	-0.00354	-0.05806	130
WFEC	'ANADARKO 69KV'	76	-0.0616	WFEC	'MORLND 138KV'	92.89233	-0.00403	-0.05757	131
WFEC	'ANADARKO 69KV'	76	-0.0616	WFEC	'ANADARKO 138KV'	269.3924	-0.0283	-0.0333	226

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

Upgrade: Norman Area Voltage Conversion Displacement
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW 138/69KV TRANSFORMER CKT 1
Flowgate: 558025609515584255841122O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	3.8	7.5
1165218	3.7	7.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'HUGO 138KV'	450	-0.00353	-0.05814	130
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'MORLND 138KV'	262.5319	-0.00414	-0.05753	131
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'ANADARKO 138KV'	273.7161	-0.02836	-0.03331	226

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

Upgrade: Norman Area Voltage Conversion Displacement
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW 138/69KV TRANSFORMER CKT 1
Flowgate: 558025609515584255841122O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	3.8	7.5
1165218	3.7	7.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'HUGO 138KV'	450	-0.00353	-0.05814	130
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'MORLND 138KV'	155.7541	-0.00414	-0.05753	131
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'ANADARKO 138KV'	273.3993	-0.02836	-0.03331	226

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

Upgrade: Norman Area Voltage Conversion Displacement
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW 138/69KV TRANSFORMER CKT 1
Flowgate: 558025609515584255841122O8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	3.8	7.5
1165218	3.7	7.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.0616	WFEC	'HUGO 138KV'	450	-0.00354	-0.05806	130
WFEC	'ANADARKO 69KV'	76	-0.0616	WFEC	'MORLND 138KV'	170.0771	-0.00403	-0.05757	131
WFEC	'ANADARKO 69KV'	76	-0.0616	WFEC	'ANADARKO 138KV'	273.194	-0.0283	-0.0333	226

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

Upgrade: Norman Area Voltage Conversion Displacement
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW 138/69KV TRANSFORMER CKT 1
Flowgate: 558025609515584255841132O7FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade

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

Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	1.0	2.0
1165218	1.0	2.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'HUGO 138KV'	444.6089	-0.00353	-0.05814	34
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'ANADARKO 138KV'	22.69065	-0.02836	-0.03331	59

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

Upgrade: Norman Area Voltage Conversion Displacement
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW 138/69KV TRANSFORMER CKT 1
Flowgate: 558025609515584255841132O7G
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	0.0	0.1
1165218	0.0	0.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06166	WFEC	'HUGO 138KV'	450	-0.00353	-0.05813	1
WFEC	'ANADARKO 69KV'	76	-0.06166	WFEC	'ANADARKO 138KV'	23.97784	-0.02835	-0.03331	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: Norman Area Voltage Conversion Displacement
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW 138/69KV TRANSFORMER CKT 1
Flowgate: 558025609515584255841132O8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1165215	2.6	5.2
1165218	2.5	5.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.0616	WFEC	'HUGO 138KV'	450	-0.00354	-0.05806	89
WFEC	'ANADARKO 69KV'	76	-0.0616	WFEC	'ANADARKO 138KV'	241.8519	-0.0283	-0.0333	156

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

Upgrade: Norman Area Voltage Conversion Displacement
Limiting Facility: ACME - WEST NORMAN 69KV CKT 1
Direction: From->To
Line Outage: CANADIAN SW 138/69KV TRANSFORMER CKT 1
Flowgate: 558025609515584255841155O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1165215	2.1	4.1
1165218	2.0	4.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'HUGO 138KV'	450	-0.00353	-0.05814	70
WFEC	'ANADARKO 69KV'	76	-0.06167	WFEC	'ANADARKO 138KV'	202.1233	-0.02836	-0.03331	122

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

Upgrade: NORTHVIEW - SUMMIT 115KV CKT 1
Limiting Facility: NORTHVIEW - SUMMIT 115KV CKT 1
Direction: To->From
Line Outage: EXIDE JUNCTION - SUMMIT 115KV CKT 1
Flowgate: 573715738115736857381122O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1161997	3.2	3.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'KNOLL 3 115 115KV'	25	0.03966	-0.4039	8
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'CHANUTE 69KV'	46.617	-0.0001	-0.36414	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00068	-0.36356	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'CITY OF BURLINGTON 69KV'	4.8	-0.00003	-0.36421	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'CITY OF ERIE 69KV'	23.258	-0.0001	-0.36414	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'CITY OF IOLA 69KV'	19.865	-0.00004	-0.3642	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00083	-0.36341	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.00087	-0.36337	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00003	-0.36421	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'COLBY 115KV'	3.742632	0.00334	-0.36758	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.00065	-0.36359	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00189	-0.36613	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01056	-0.3748	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.0018	-0.36244	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	-0.00198	-0.36226	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	-0.00456	-0.35968	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'WACO 138KV'	17.947	-0.00121	-0.36303	9
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	-0.07064	-0.2936	11
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'KNOLL 3 115 115KV'	25	0.03966	-0.27952	12
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'CHANUTE 69KV'	46.617	-0.0001	-0.23976	13
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'CITY OF BURLINGTON 69KV'	4.8	-0.00003	-0.23983	13
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'CITY OF ERIE 69KV'	23.258	-0.0001	-0.23976	13
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'CITY OF IOLA 69KV'	19.865	-0.00004	-0.23982	13

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

WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00003	-0.23983	13
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.00065	-0.23921	13
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00189	-0.24175	13
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01056	-0.25042	13
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00068	-0.23918	14
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00083	-0.23903	14
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.00087	-0.23899	14
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.0018	-0.23806	14
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	-0.00198	-0.23788	14
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	-0.00456	-0.2353	14
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'WACO 138KV'	17.947	-0.00121	-0.23865	14
WERE	'CLAY CENTER JUNCTION 115KV'	26.275	-0.23986	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	-0.07064	-0.16922	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'KNOLL 3 115 115KV'	25	0.03966	-0.1631	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01056	-0.134	24
WERE	'ABILENE ENERGY CENTER 115KV'	66	-0.36424	WERE	'CLAY CENTER JUNCTION 115KV'	11.825	-0.23986	-0.12438	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'CHANUTE 69KV'	46.617	-0.0001	-0.12334	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00068	-0.12276	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'CITY OF ERIE 69KV'	23.258	-0.0001	-0.12334	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'CITY OF IOLA 69KV'	19.865	-0.00004	-0.1234	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.00087	-0.12257	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00003	-0.12341	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.00065	-0.12279	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00189	-0.12533	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'WACO 138KV'	17.947	-0.00121	-0.12223	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.0018	-0.12164	27
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	-0.00198	-0.12146	27
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	-0.00456	-0.11888	27
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.07064	WERE	'KNOLL 3 115 115KV'	25	0.03966	-0.1103	29
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07059	WERE	'KNOLL 3 115 115KV'	25	0.03966	-0.11025	29
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.07064	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01056	-0.0812	40
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07059	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01056	-0.08115	40
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.07064	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00189	-0.07253	45
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07059	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00189	-0.07248	45
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.07064	WERE	'CHANUTE 69KV'	46.617	-0.0001	-0.07054	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.07064	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00068	-0.06996	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.07064	WERE	'CITY OF ERIE 69KV'	23.258	-0.0001	-0.07054	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.07064	WERE	'CITY OF IOLA 69KV'	19.865	-0.00004	-0.0706	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.07064	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.00087	-0.06977	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.07064	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00003	-0.07061	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.07064	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.00065	-0.06999	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07059	WERE	'CHANUTE 69KV'	46.617	-0.0001	-0.07049	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07059	WERE	'CITY OF AUGUSTA 69KV'	20.02	-0.00068	-0.06991	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07059	WERE	'CITY OF ERIE 69KV'	23.258	-0.0001	-0.07049	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07059	WERE	'CITY OF IOLA 69KV'	19.865	-0.00004	-0.07055	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07059	WERE	'CITY OF WELLINGTON 69KV'	31.07001	-0.00087	-0.06972	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07059	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00003	-0.07056	46
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07059	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.00065	-0.06994	46
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.07064	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.0018	-0.06884	47
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.07064	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	-0.00198	-0.06866	47
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.07064	WERE	'WACO 138KV'	17.947	-0.00121	-0.06943	47
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07059	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.0018	-0.06879	47
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07059	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	-0.00198	-0.06861	47
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07059	WERE	'WACO 138KV'	17.947	-0.00121	-0.06938	47
WERE	'PAWNEE 115KV'	999	-0.02844	WERE	'KNOLL 3 115 115KV'	25	0.03966	-0.0681	47
WERE	'RICE 115KV'	999	-0.02844	WERE	'KNOLL 3 115 115KV'	25	0.03966	-0.0681	47
WERE	'HUTCHINSON ENERGY CENTER 115KV'	343	-0.07064	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	-0.00456	-0.06608	49
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07059	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	-0.00456	-0.06603	49
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.12344	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	-0.07064	-0.0528	61
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00506	WERE	'KNOLL 3 115 115KV'	25	0.03966	-0.04472	72
WERE	'TECUMSEH ENERGY CENTER 115KV'	57.2981	-0.00456	WERE	'KNOLL 3 115 115KV'	25	0.03966	-0.04422	73
WERE	'PAWNEE 115KV'	999	-0.02844	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01056	-0.039	83
WERE	'RICE 115KV'	999	-0.02844	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01056	-0.039	83
WERE	'PAWNEE 115KV'	999	-0.02844	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00189	-0.03033	106
WERE	'RICE 115KV'	999	-0.02844	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00189	-0.03033	106

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

Upgrade: Potter - Roosevelt 345KV Displacement
Limiting Facility: CANYON EAST - OSAGE SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: BUSHLAND INTERCHANGE - DEAF SMITH INTERCHANGE 230KV CKT 1
Flowgate: 5108051014150993511111407AP
Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount
1162675	8.7	8.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'PLANTX 115KV'	253	-0.10266	SPS	'STEER WATER 115KV'	36	0.04958	-0.15224	57
SPS	'PLANTX 115KV'	253	-0.10266	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.14842	59
SPS	'PLANTX 115KV'	253	-0.10266	SPS	'CZ 69KV'	35	0.04525	-0.14791	59
SPS	'PLANTX 230KV'	189	-0.09845	SPS	'STEER WATER 115KV'	36	0.04958	-0.14803	59
SPS	'PLANTX 115KV'	253	-0.10266	SPS	'HARRINGTON 230KV'	706	0.04326	-0.14592	60
SPS	'PLANTX 115KV'	253	-0.10266	SPS	'WILWIND 230KV'	72	0.04109	-0.14375	60
SPS	'PLANTX 230KV'	189	-0.09845	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.14421	60
SPS	'PLANTX 230KV'	189	-0.09845	SPS	'CZ 69KV'	35	0.04525	-0.1437	60
SPS	'PLANTX 230KV'	189	-0.09845	SPS	'HARRINGTON 230KV'	706	0.04326	-0.14171	61
SPS	'PLANTX 230KV'	189	-0.09845	SPS	'WILWIND 230KV'	72	0.04109	-0.13954	62
SPS	'CUNNINGHAM 115KV'	71	-0.08776	SPS	'STEER WATER 115KV'	36	0.04958	-0.13734	63
SPS	'CUNNINGHAM 115KV'	110	-0.08776	SPS	'STEER WATER 115KV'	36	0.04958	-0.13734	63
SPS	'CUNNINGHAM 230KV'	250	-0.08834	SPS	'STEER WATER 115KV'	36	0.04958	-0.13792	63
SPS	'MADOX 115KV'	193	-0.08764	SPS	'STEER WATER 115KV'	36	0.04958	-0.13722	63
SPS	'MUSTANG 115KV'	50.12134	-0.08526	SPS	'STEER WATER 115KV'	36	0.04958	-0.13484	64
SPS	'MUSTG5 118.0 230KV'	385	-0.08623	SPS	'STEER WATER 115KV'	36	0.04958	-0.13581	64
SPS	'CUNNINGHAM 115KV'	71	-0.08776	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.13352	65
SPS	'CUNNINGHAM 115KV'	110	-0.08776	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.13352	65
SPS	'CUNNINGHAM 115KV'	71	-0.08776	SPS	'CZ 69KV'	35	0.04525	-0.13301	65
SPS	'CUNNINGHAM 115KV'	110	-0.08776	SPS	'CZ 69KV'	35	0.04525	-0.13301	65
SPS	'CUNNINGHAM 230KV'	250	-0.08834	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.1341	65
SPS	'CUNNINGHAM 230KV'	250	-0.08834	SPS	'CZ 69KV'	35	0.04525	-0.13359	65
SPS	'MADOX 115KV'	193	-0.08764	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.1334	65
SPS	'MADOX 115KV'	193	-0.08764	SPS	'CZ 69KV'	35	0.04525	-0.13289	65
SPS	'CUNNINGHAM 115KV'	71	-0.08776	SPS	'HARRINGTON 230KV'	706	0.04326	-0.13102	66
SPS	'CUNNINGHAM 115KV'	110	-0.08776	SPS	'HARRINGTON 230KV'	706	0.04326	-0.13102	66
SPS	'CUNNINGHAM 230KV'	250	-0.08834	SPS	'HARRINGTON 230KV'	706	0.04326	-0.1316	66
SPS	'MADOX 115KV'	193	-0.08764	SPS	'HARRINGTON 230KV'	706	0.04326	-0.1309	66
SPS	'MUSTANG 115KV'	50.12134	-0.08526	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.13102	66
SPS	'MUSTG5 118.0 230KV'	385	-0.08623	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.13199	66
SPS	'MUSTG5 118.0 230KV'	385	-0.08623	SPS	'CZ 69KV'	35	0.04525	-0.13148	66
SPS	'CUNNINGHAM 115KV'	71	-0.08776	SPS	'WILWIND 230KV'	72	0.04109	-0.12885	67

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

SPS	'CUNNINGHAM 115KV'	110	-0.08776	SPS	'WILWIND 230KV'	72	0.04109	-0.12885	67
SPS	'CUNNINGHAM 230KV'	250	-0.08834	SPS	'WILWIND 230KV'	72	0.04109	-0.12943	67
SPS	'MUSTANG 115KV'	50.12134	-0.08526	SPS	'CZ 69KV'	35	0.04525	-0.13051	67
SPS	'MUSTG5 118.0 230KV'	385	-0.08623	SPS	'HARRINGTON 230KV'	706	0.04326	-0.12949	67
SPS	'MADOX 115KV'	193	-0.08764	SPS	'WILWIND 230KV'	72	0.04109	-0.12873	68
SPS	'MUSTANG 115KV'	50.12134	-0.08526	SPS	'HARRINGTON 230KV'	706	0.04326	-0.12852	68
SPS	'MUSTG5 118.0 230KV'	385	-0.08623	SPS	'WILWIND 230KV'	72	0.04109	-0.12732	68
SPS	'MUSTANG 115KV'	50.12134	-0.08526	SPS	'WILWIND 230KV'	72	0.04109	-0.12635	69
SPS	'JONES 230KV'	382	-0.0654	SPS	'STEER WATER 115KV'	36	0.04958	-0.11498	76
SPS	'LP-BRND2 69KV'	172	-0.06435	SPS	'STEER WATER 115KV'	36	0.04958	-0.11393	76
SPS	'JONES 230KV'	382	-0.0654	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.11116	78
SPS	'JONES 230KV'	382	-0.0654	SPS	'CZ 69KV'	35	0.04525	-0.11065	79
SPS	'LP-BRND2 69KV'	172	-0.06435	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.11011	79
SPS	'LP-BRND2 69KV'	172	-0.06435	SPS	'CZ 69KV'	35	0.04525	-0.1096	79
SPS	'JONES 230KV'	382	-0.0654	SPS	'HARRINGTON 230KV'	706	0.04326	-0.10866	80
SPS	'LP-BRND2 69KV'	172	-0.06435	SPS	'HARRINGTON 230KV'	706	0.04326	-0.10761	81
SPS	'JONES 230KV'	382	-0.0654	SPS	'WILWIND 230KV'	72	0.04109	-0.10649	82
SPS	'LP-BRND2 69KV'	172	-0.06435	SPS	'WILWIND 230KV'	72	0.04109	-0.10544	82
SPS	'PLANTX 115KV'	253	-0.10266	SPS	'JONES 230KV'	104	-0.0654	-0.03726	233
SPS	'PLANTX 230KV'	189	-0.09845	SPS	'JONES 230KV'	104	-0.0654	-0.03305	263

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

Upgrade: Potter - Roosevelt 345KV Displacement
Limiting Facility: CANYON EAST - OSAGE SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: BUSHLAND INTERCHANGE - DEAF SMITH INTERCHANGE 230KV CKT 1
Flowgate: 5108051014150993511112408SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	3.4	6.6
1162675	3.2	6.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'TUCUMCARI 115KV'	15	-0.12472	SPS	'NICHOLS 115KV'	147	0.05333	-0.17805	37
SPS	'TUCUMCARI 115KV'	15	-0.12472	SPS	'BLACKHAWK 115KV'	220	0.04541	-0.17013	39
SPS	'TUCUMCARI 115KV'	15	-0.12472	SPS	'CZ 69KV'	39	0.04479	-0.16951	39
SPS	'TUCUMCARI 115KV'	15	-0.12472	SPS	'SIDRCH 69KV'	20	0.04557	-0.17029	39
SPS	'TUCUMCARI 115KV'	15	-0.12472	SPS	'HARRINGTON 230KV'	1066	0.04293	-0.16765	40
SPS	'TUCUMCARI 115KV'	15	-0.12472	SPS	'MOORE COUNTY 115KV'	48	0.04309	-0.16781	40
SPS	'TUCUMCARI 115KV'	15	-0.12472	SPS	'NICHOLS 230KV'	147	0.04296	-0.16768	40
SPS	'TUCUMCARI 115KV'	15	-0.12472	SPS	'WILWIND 230KV'	16	0.04077	-0.16549	40
SPS	'PLANTX 115KV'	48	-0.10256	SPS	'NICHOLS 115KV'	147	0.05333	-0.15589	43
SPS	'TOLK 230KV'	57.52261	-0.09632	SPS	'NICHOLS 115KV'	147	0.05333	-0.14965	44
SPS	'PLANTX 115KV'	48	-0.10256	SPS	'BLACKHAWK 115KV'	220	0.04541	-0.14797	45
SPS	'PLANTX 115KV'	48	-0.10256	SPS	'CZ 69KV'	39	0.04479	-0.14735	45
SPS	'PLANTX 115KV'	48	-0.10256	SPS	'SIDRCH 69KV'	20	0.04557	-0.14813	45
SPS	'CARLSBAD 69KV'	18	-0.09123	SPS	'NICHOLS 115KV'	147	0.05333	-0.14456	46
SPS	'PLANTX 115KV'	48	-0.10256	SPS	'HARRINGTON 230KV'	1066	0.04293	-0.14549	46
SPS	'PLANTX 115KV'	48	-0.10256	SPS	'MOORE COUNTY 115KV'	48	0.04309	-0.14565	46
SPS	'PLANTX 115KV'	48	-0.10256	SPS	'NICHOLS 230KV'	147	0.04296	-0.14552	46
SPS	'PLANTX 115KV'	48	-0.10256	SPS	'WILWIND 230KV'	16	0.04077	-0.14333	46
SPS	'MADOX 115KV'	30.06836	-0.08748	SPS	'NICHOLS 115KV'	147	0.05333	-0.14081	47
SPS	'TOLK 230KV'	57.52261	-0.09632	SPS	'BLACKHAWK 115KV'	220	0.04541	-0.14173	47
SPS	'TOLK 230KV'	57.52261	-0.09632	SPS	'CZ 69KV'	39	0.04479	-0.14111	47
SPS	'TOLK 230KV'	57.52261	-0.09632	SPS	'SIDRCH 69KV'	20	0.04557	-0.14189	47
SPS	'CARLSBAD 69KV'	18	-0.09123	SPS	'SIDRCH 69KV'	20	0.04557	-0.1368	48
SPS	'MUSTG5 118.0 230KV'	150	-0.0862	SPS	'NICHOLS 115KV'	147	0.05333	-0.13953	48
SPS	'TOLK 230KV'	57.52261	-0.09632	SPS	'HARRINGTON 230KV'	1066	0.04293	-0.13925	48
SPS	'TOLK 230KV'	57.52261	-0.09632	SPS	'MOORE COUNTY 115KV'	48	0.04309	-0.13941	48
SPS	'TOLK 230KV'	57.52261	-0.09632	SPS	'NICHOLS 230KV'	147	0.04296	-0.13928	48
SPS	'TOLK 230KV'	57.52261	-0.09632	SPS	'WILWIND 230KV'	16	0.04077	-0.13709	48
SPS	'CARLSBAD 69KV'	18	-0.09123	SPS	'BLACKHAWK 115KV'	220	0.04541	-0.13664	49
SPS	'CARLSBAD 69KV'	18	-0.09123	SPS	'CZ 69KV'	39	0.04479	-0.13602	49
SPS	'CARLSBAD 69KV'	18	-0.09123	SPS	'HARRINGTON 230KV'	1066	0.04293	-0.13416	49
SPS	'CARLSBAD 69KV'	18	-0.09123	SPS	'MOORE COUNTY 115KV'	48	0.04309	-0.13432	49
SPS	'CARLSBAD 69KV'	18	-0.09123	SPS	'NICHOLS 230KV'	147	0.04296	-0.13419	49
SPS	'MADOX 115KV'	30.06836	-0.08748	SPS	'BLACKHAWK 115KV'	220	0.04541	-0.13289	50
SPS	'MADOX 115KV'	30.06836	-0.08748	SPS	'CZ 69KV'	39	0.04479	-0.13227	50
SPS	'MADOX 115KV'	30.06836	-0.08748	SPS	'SIDRCH 69KV'	20	0.04557	-0.13305	50
SPS	'MUSTG5 118.0 230KV'	150	-0.0862	SPS	'BLACKHAWK 115KV'	220	0.04541	-0.13161	50
SPS	'MUSTG5 118.0 230KV'	150	-0.0862	SPS	'SIDRCH 69KV'	20	0.04557	-0.13177	50
SPS	'MADOX 115KV'	30.06836	-0.08748	SPS	'HARRINGTON 230KV'	1066	0.04293	-0.13041	51
SPS	'MADOX 115KV'	30.06836	-0.08748	SPS	'MOORE COUNTY 115KV'	48	0.04309	-0.13057	51
SPS	'MADOX 115KV'	30.06836	-0.08748	SPS	'NICHOLS 230KV'	147	0.04296	-0.13044	51
SPS	'MUSTG5 118.0 230KV'	150	-0.0862	SPS	'CZ 69KV'	39	0.04479	-0.13099	51
SPS	'MUSTG5 118.0 230KV'	150	-0.0862	SPS	'HARRINGTON 230KV'	1066	0.04293	-0.12913	51
SPS	'MUSTG5 118.0 230KV'	150	-0.0862	SPS	'MOORE COUNTY 115KV'	48	0.04309	-0.12929	51
SPS	'MUSTG5 118.0 230KV'	150	-0.0862	SPS	'NICHOLS 230KV'	147	0.04296	-0.12916	51
SPS	'LP-BRND2 69KV'	152	-0.06427	SPS	'NICHOLS 115KV'	147	0.05333	-0.1176	56
SPS	'LP-BRND2 69KV'	152	-0.06427	SPS	'BLACKHAWK 115KV'	220	0.04541	-0.10968	60
SPS	'LP-BRND2 69KV'	152	-0.06427	SPS	'SIDRCH 69KV'	20	0.04557	-0.10984	60
SPS	'LP-BRND2 69KV'	152	-0.06427	SPS	'CZ 69KV'	39	0.04479	-0.10906	61
SPS	'LP-BRND2 69KV'	152	-0.06427	SPS	'HARRINGTON 230KV'	1066	0.04293	-0.1072	62
SPS	'LP-BRND2 69KV'	152	-0.06427	SPS	'MOORE COUNTY 115KV'	48	0.04309	-0.10736	62
SPS	'LP-BRND2 69KV'	152	-0.06427	SPS	'NICHOLS 230KV'	147	0.04296	-0.10723	62

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

Upgrade: Potter - Roosevelt 345KV Displacement
Limiting Facility: CANYON EAST - OSAGE SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: BUSHLAND INTERCHANGE - DEAF SMITH INTERCHANGE 230KV CKT 1
Flowgate: 5108051014150993511114407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	4.6	9.0
1162675	4.3	9.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'PLANTX 115KV'	48	-0.10266	SPS	'NICHOLS 115KV'	147	0.05366	-0.15632	57
SPS	'PLANTX 115KV'	48	-0.10266	SPS	'BLACKHAWK 115KV'	220	0.04573	-0.14839	60
SPS	'PLANTX 115KV'	48	-0.10266	SPS	'SIDRCH 69KV'	20	0.0459	-0.14856	60
SPS	'TOLK 230KV'	50.11734	-0.09627	SPS	'NICHOLS 115KV'	147	0.05366	-0.14993	60

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

SPS	'PLANTX 115KV'	48	-0.10266	SPS	'CZ 69KV'	39	0.04522	-0.14788	61
SPS	'PLANTX 115KV'	48	-0.10266	SPS	'HARRINGTON 230KV'	1066	0.04324	-0.1459	61
SPS	'PLANTX 115KV'	48	-0.10266	SPS	'MOORE COUNTY 115KV'	48	0.0434	-0.14606	61
SPS	'PLANTX 115KV'	48	-0.10266	SPS	'NICHOLS 230KV'	147	0.04327	-0.14593	61
SPS	'MADOX 115KV'	62	-0.08763	SPS	'NICHOLS 115KV'	147	0.05366	-0.14129	63
SPS	'TOLK 230KV'	50.11734	-0.09627	SPS	'BLACKHAWK 115KV'	220	0.04573	-0.142	63
SPS	'TOLK 230KV'	50.11734	-0.09627	SPS	'CZ 69KV'	39	0.04522	-0.14149	63
SPS	'MUSTG5 118.0 230KV'	150	-0.08622	SPS	'NICHOLS 115KV'	147	0.05366	-0.13988	64
SPS	'TOLK 230KV'	50.11734	-0.09627	SPS	'HARRINGTON 230KV'	1066	0.04324	-0.13951	64
SPS	'TOLK 230KV'	50.11734	-0.09627	SPS	'MOORE COUNTY 115KV'	48	0.0434	-0.13967	64
SPS	'TOLK 230KV'	50.11734	-0.09627	SPS	'NICHOLS 230KV'	147	0.04327	-0.13954	64
SPS	'MADOX 115KV'	62	-0.08763	SPS	'BLACKHAWK 115KV'	220	0.04573	-0.13336	67
SPS	'MADOX 115KV'	62	-0.08763	SPS	'CZ 69KV'	39	0.04522	-0.13285	67
SPS	'MADOX 115KV'	62	-0.08763	SPS	'HARRINGTON 230KV'	1066	0.04324	-0.13087	68
SPS	'MADOX 115KV'	62	-0.08763	SPS	'MOORE COUNTY 115KV'	48	0.0434	-0.13103	68
SPS	'MADOX 115KV'	62	-0.08763	SPS	'NICHOLS 230KV'	147	0.04327	-0.1309	68
SPS	'MUSTG5 118.0 230KV'	150	-0.08622	SPS	'BLACKHAWK 115KV'	220	0.04573	-0.13195	68
SPS	'MUSTG5 118.0 230KV'	150	-0.08622	SPS	'CZ 69KV'	39	0.04522	-0.13144	68
SPS	'MUSTG5 118.0 230KV'	150	-0.08622	SPS	'HARRINGTON 230KV'	1066	0.04324	-0.12946	69
SPS	'MUSTG5 118.0 230KV'	150	-0.08622	SPS	'MOORE COUNTY 115KV'	48	0.0434	-0.12962	69
SPS	'MUSTG5 118.0 230KV'	150	-0.08622	SPS	'NICHOLS 230KV'	147	0.04327	-0.12949	69
SPS	'LP-BRND2 69KV'	152	-0.06434	SPS	'NICHOLS 115KV'	147	0.05366	-0.118	76
SPS	'LP-BRND2 69KV'	152	-0.06434	SPS	'BLACKHAWK 115KV'	220	0.04573	-0.11007	81
SPS	'LP-BRND2 69KV'	152	-0.06434	SPS	'CZ 69KV'	39	0.04522	-0.10956	82
SPS	'LP-BRND2 69KV'	152	-0.06434	SPS	'HARRINGTON 230KV'	1066	0.04324	-0.10758	83
SPS	'LP-BRND2 69KV'	152	-0.06434	SPS	'MOORE COUNTY 115KV'	48	0.0434	-0.10774	83
SPS	'LP-BRND2 69KV'	152	-0.06434	SPS	'NICHOLS 230KV'	147	0.04327	-0.10761	83

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

Upgrade: Potter - Roosevelt 345KV Displacement
Limiting Facility: CANYON EAST - CANYON WEST 115KV CKT 1
Direction: From->To
Line Outage: BUSHLAND INTERCHANGE - DEAF SMITH INTERCHANGE 230KV CKT 1
Flowgate: 5108051078150993511111 3407AP
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
1162675	3.1	3.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'TUCUMCARI 115KV'	15	-0.12468	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.17044	18
SPS	'TUCUMCARI 115KV'	15	-0.12468	SPS	'CZ 69KV'	35	0.04525	-0.16993	18
SPS	'TUCUMCARI 115KV'	15	-0.12468	SPS	'SIDRCH 69KV'	14	0.04593	-0.17061	18
SPS	'TUCUMCARI 115KV'	15	-0.12468	SPS	'STEER WATER 115KV'	36	0.04958	-0.17426	18
SPS	'TUCUMCARI 115KV'	15	-0.12468	SPS	'HARRINGTON 230KV'	706	0.04326	-0.16794	19
SPS	'TUCUMCARI 115KV'	15	-0.12468	SPS	'WILWIND 230KV'	72	0.04109	-0.16577	19
SPS	'PLANTX 115KV'	253	-0.10266	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.14842	21
SPS	'PLANTX 115KV'	253	-0.10266	SPS	'CZ 69KV'	35	0.04525	-0.14791	21
SPS	'PLANTX 115KV'	253	-0.10266	SPS	'HARRINGTON 230KV'	706	0.04326	-0.14592	21
SPS	'PLANTX 115KV'	253	-0.10266	SPS	'SIDRCH 69KV'	14	0.04593	-0.14859	21
SPS	'PLANTX 115KV'	253	-0.10266	SPS	'STEER WATER 115KV'	36	0.04958	-0.15224	21
SPS	'PLANTX 230KV'	189	-0.09845	SPS	'STEER WATER 115KV'	36	0.04958	-0.14803	21
SPS	'TOLK 230KV'	48.53049	-0.09627	SPS	'STEER WATER 115KV'	36	0.04958	-0.14585	21
SPS	'CARLSBAD 69KV'	18	-0.09131	SPS	'STEER WATER 115KV'	36	0.04958	-0.14089	22
SPS	'PLANTX 115KV'	253	-0.10266	SPS	'WILWIND 230KV'	72	0.04109	-0.14375	22
SPS	'PLANTX 230KV'	189	-0.09845	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.14421	22
SPS	'PLANTX 230KV'	189	-0.09845	SPS	'CZ 69KV'	35	0.04525	-0.1437	22
SPS	'PLANTX 230KV'	189	-0.09845	SPS	'HARRINGTON 230KV'	706	0.04326	-0.14171	22
SPS	'PLANTX 230KV'	189	-0.09845	SPS	'SIDRCH 69KV'	14	0.04593	-0.14438	22
SPS	'PLANTX 230KV'	189	-0.09845	SPS	'WILWIND 230KV'	72	0.04109	-0.13954	22
SPS	'TOLK 230KV'	48.53049	-0.09627	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.14203	22
SPS	'TOLK 230KV'	48.53049	-0.09627	SPS	'CZ 69KV'	35	0.04525	-0.14152	22
SPS	'TOLK 230KV'	48.53049	-0.09627	SPS	'HARRINGTON 230KV'	706	0.04326	-0.13953	22
SPS	'TOLK 230KV'	48.53049	-0.09627	SPS	'SIDRCH 69KV'	14	0.04593	-0.1422	22
SPS	'CARLSBAD 69KV'	18	-0.09131	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.13707	23
SPS	'CARLSBAD 69KV'	18	-0.09131	SPS	'CZ 69KV'	35	0.04525	-0.13656	23
SPS	'CARLSBAD 69KV'	18	-0.09131	SPS	'HARRINGTON 230KV'	706	0.04326	-0.13457	23
SPS	'CARLSBAD 69KV'	18	-0.09131	SPS	'SIDRCH 69KV'	14	0.04593	-0.13724	23
SPS	'CUNNINGHAM 115KV'	71	-0.08776	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.13352	23
SPS	'CUNNINGHAM 115KV'	110	-0.08776	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.13352	23
SPS	'CUNNINGHAM 115KV'	71	-0.08776	SPS	'SIDRCH 69KV'	14	0.04593	-0.13369	23
SPS	'CUNNINGHAM 115KV'	110	-0.08776	SPS	'SIDRCH 69KV'	14	0.04593	-0.13369	23
SPS	'CUNNINGHAM 115KV'	71	-0.08776	SPS	'STEER WATER 115KV'	36	0.04958	-0.13734	23
SPS	'CUNNINGHAM 115KV'	110	-0.08776	SPS	'STEER WATER 115KV'	36	0.04958	-0.13734	23
SPS	'CUNNINGHAM 230KV'	250	-0.08834	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.1341	23
SPS	'CUNNINGHAM 230KV'	250	-0.08834	SPS	'CZ 69KV'	35	0.04525	-0.13359	23
SPS	'CUNNINGHAM 230KV'	250	-0.08834	SPS	'SIDRCH 69KV'	14	0.04593	-0.13427	23
SPS	'CUNNINGHAM 230KV'	250	-0.08834	SPS	'STEER WATER 115KV'	36	0.04958	-0.13792	23
SPS	'MADOX 115KV'	193	-0.08764	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.1334	23
SPS	'MADOX 115KV'	193	-0.08764	SPS	'SIDRCH 69KV'	14	0.04593	-0.13357	23
SPS	'MADOX 115KV'	193	-0.08764	SPS	'STEER WATER 115KV'	36	0.04958	-0.13722	23
SPS	'MUSTANG 115KV'	110.366	-0.08526	SPS	'STEER WATER 115KV'	36	0.04958	-0.13484	23
SPS	'MUSTG5 118.0 230KV'	385	-0.08623	SPS	'STEER WATER 115KV'	36	0.04958	-0.13581	23
SPS	'TOLK 230KV'	48.53049	-0.09627	SPS	'WILWIND 230KV'	72	0.04109	-0.13736	23
SPS	'CARLSBAD 69KV'	18	-0.09131	SPS	'WILWIND 230KV'	72	0.04109	-0.1324	24
SPS	'CUNNINGHAM 115KV'	71	-0.08776	SPS	'CZ 69KV'	35	0.04525	-0.13301	24
SPS	'CUNNINGHAM 115KV'	110	-0.08776	SPS	'CZ 69KV'	35	0.04525	-0.13301	24
SPS	'CUNNINGHAM 115KV'	71	-0.08776	SPS	'HARRINGTON 230KV'	706	0.04326	-0.13102	24
SPS	'CUNNINGHAM 115KV'	110	-0.08776	SPS	'HARRINGTON 230KV'	706	0.04326	-0.13102	24
SPS	'CUNNINGHAM 115KV'	71	-0.08776	SPS	'WILWIND 230KV'	72	0.04109	-0.12885	24
SPS	'CUNNINGHAM 115KV'	110	-0.08776	SPS	'WILWIND 230KV'	72	0.04109	-0.12885	24
SPS	'CUNNINGHAM 230KV'	250	-0.08834	SPS	'HARRINGTON 230KV'	706	0.04326	-0.1316	24
SPS	'CUNNINGHAM 230KV'	250	-0.08834	SPS	'WILWIND 230KV'	72	0.04109	-0.12943	24
SPS	'MADOX 115KV'	193	-0.08764	SPS	'CZ 69KV'	35	0.04525	-0.13289	24
SPS	'MADOX 115KV'	193	-0.08764	SPS	'HARRINGTON 230KV'	706	0.04326	-0.1309	24
SPS	'MADOX 115KV'	193	-0.08764	SPS	'WILWIND 230KV'	72	0.04109	-0.12873	24
SPS	'MUSTANG 115KV'	110.366	-0.08526	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.13102	24
SPS	'MUSTANG 115KV'	110.366	-0.08526	SPS	'CZ 69KV'	35	0.04525	-0.13051	24
SPS	'MUSTANG 115KV'	110.366	-0.08526	SPS	'HARRINGTON 230KV'	706	0.04326	-0.12852	24
SPS	'MUSTANG 115KV'	110.366	-0.08526	SPS	'SIDRCH 69KV'	14	0.04593	-0.13119	24
SPS	'MUSTG5 118.0 230KV'	385	-0.08623	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.13199	24
SPS	'MUSTG5 118.0 230KV'	385	-0.08623	SPS	'CZ 69KV'	35	0.04525	-0.13148	24
SPS	'MUSTG5 118.0 230KV'	385	-0.08623	SPS	'HARRINGTON 230KV'	706	0.04326	-0.12949	24
SPS	'MUSTG5 118.0 230KV'	385	-0.08623	SPS	'SIDRCH 69KV'	14	0.04593	-0.13216	24
SPS	'MUSTANG 115KV'	110.366	-0.08526	SPS	'WILWIND 230KV'	72	0.04109	-0.12635	25
SPS	'MUSTG5 118.0 230KV'	385	-0.08623	SPS	'WILWIND 230KV'	72	0.04109	-0.12732	25
SPS	'JONES 230KV'	382	-0.0654	SPS	'STEER WATER 115KV'	36	0.04958	-0.11498	27
SPS	'LP-BRND2 69KV'	172	-0.06435	SPS	'STEER WATER 115KV'	36	0.04958	-0.11393	27
SPS	'JONES 230KV'	382	-0.0654	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.11116	28

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

SPS	'JONES 230KV'	382	-0.0654	SPS	'CZ 69KV'	35	0.04525	-0.11065	28
SPS	'JONES 230KV'	382	-0.0654	SPS	'SIDRCH 69KV'	14	0.04593	-0.11133	28
SPS	'LP-BRND2 69KV'	172	-0.06435	SPS	'BLACKHAWK 115KV'	220	0.04576	-0.11011	28
SPS	'LP-BRND2 69KV'	172	-0.06435	SPS	'SIDRCH 69KV'	14	0.04593	-0.11028	28
SPS	'JONES 230KV'	382	-0.0654	SPS	'HARRINGTON 230KV'	706	0.04326	-0.10866	29
SPS	'JONES 230KV'	382	-0.0654	SPS	'WILWIND 230KV'	72	0.04109	-0.10649	29
SPS	'LP-BRND2 69KV'	172	-0.06435	SPS	'CZ 69KV'	35	0.04525	-0.1096	29
SPS	'LP-BRND2 69KV'	172	-0.06435	SPS	'HARRINGTON 230KV'	706	0.04326	-0.10761	29
SPS	'LP-BRND2 69KV'	172	-0.06435	SPS	'WILWIND 230KV'	72	0.04109	-0.10544	30
SPS	'PLANTX 115KV'	253	-0.10266	SPS	'LP-BRND2 69KV'	60	-0.06435	-0.03831	82
SPS	'PLANTX 115KV'	253	-0.10266	SPS	'JONES 230KV'	104	-0.0654	-0.03726	84
SPS	'PLANTX 230KV'	189	-0.09845	SPS	'LP-BRND2 69KV'	60	-0.06435	-0.0341	92
SPS	'PLANTX 230KV'	189	-0.09845	SPS	'JONES 230KV'	104	-0.0654	-0.03305	95
SPS	'TOLK 230KV'	48.53049	-0.09627	SPS	'LP-BRND2 69KV'	60	-0.06435	-0.03192	98
SPS	'TOLK 230KV'	48.53049	-0.09627	SPS	'JONES 230KV'	104	-0.0654	-0.03087	101

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

Upgrade: Potter - Roosevelt 345KV Displacement
Limiting Facility: PALODU - RANDALL COUNTY INTERCHANGE 115KV CKT 1
Direction: To->From
Line Outage: AMARILLO S INTERCHANGE - SWISHER COUNTY INTERCHANGE 230KV CKT 1
Flowgate: 5108251020151041513211340 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
1162675	0.3	0.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'CARLSBAD 69KV'	18	-0.04594	SPS	'BLACKHAWK 115KV'	220	0.06276	-0.1087	3
SPS	'CARLSBAD 69KV'	18	-0.04594	SPS	'CZ 69KV'	35	0.06061	-0.10655	3
SPS	'CARLSBAD 69KV'	18	-0.04594	SPS	'HARRINGTON 230KV'	706	0.06112	-0.10706	3
SPS	'CARLSBAD 69KV'	18	-0.04594	SPS	'HUBRCO2 69KV'	5	0.06289	-0.10883	3
SPS	'CARLSBAD 69KV'	18	-0.04594	SPS	'SIDRCH 69KV'	14	0.06289	-0.10883	3
SPS	'CARLSBAD 69KV'	18	-0.04594	SPS	'STEER WATER 115KV'	36	0.0652	-0.11114	3
SPS	'CUNNINGHAM 115KV'	71	-0.04885	SPS	'BLACKHAWK 115KV'	220	0.06276	-0.11161	3
SPS	'CUNNINGHAM 115KV'	110	-0.04885	SPS	'BLACKHAWK 115KV'	220	0.06276	-0.11161	3
SPS	'CUNNINGHAM 115KV'	71	-0.04885	SPS	'CZ 69KV'	35	0.06061	-0.10946	3
SPS	'CUNNINGHAM 115KV'	110	-0.04885	SPS	'CZ 69KV'	35	0.06061	-0.10946	3
SPS	'CUNNINGHAM 115KV'	71	-0.04885	SPS	'HARRINGTON 230KV'	706	0.06112	-0.10997	3
SPS	'CUNNINGHAM 115KV'	110	-0.04885	SPS	'HARRINGTON 230KV'	706	0.06112	-0.10997	3
SPS	'CUNNINGHAM 115KV'	71	-0.04885	SPS	'HUBRCO2 69KV'	5	0.06289	-0.11174	3
SPS	'CUNNINGHAM 115KV'	110	-0.04885	SPS	'HUBRCO2 69KV'	5	0.06289	-0.11174	3
SPS	'CUNNINGHAM 115KV'	71	-0.04885	SPS	'SIDRCH 69KV'	14	0.06289	-0.11174	3
SPS	'CUNNINGHAM 115KV'	110	-0.04885	SPS	'SIDRCH 69KV'	14	0.06289	-0.11174	3
SPS	'CUNNINGHAM 115KV'	71	-0.04885	SPS	'STEER WATER 115KV'	36	0.0652	-0.11405	3
SPS	'CUNNINGHAM 115KV'	110	-0.04885	SPS	'STEER WATER 115KV'	36	0.0652	-0.11405	3
SPS	'CUNNINGHAM 230KV'	250	-0.04832	SPS	'BLACKHAWK 115KV'	220	0.06276	-0.11108	3
SPS	'CUNNINGHAM 230KV'	250	-0.04832	SPS	'CZ 69KV'	35	0.06061	-0.10893	3
SPS	'CUNNINGHAM 230KV'	250	-0.04832	SPS	'HARRINGTON 230KV'	706	0.06112	-0.10944	3
SPS	'CUNNINGHAM 230KV'	250	-0.04832	SPS	'HUBRCO2 69KV'	5	0.06289	-0.11121	3
SPS	'CUNNINGHAM 230KV'	250	-0.04832	SPS	'SIDRCH 69KV'	14	0.06289	-0.11121	3
SPS	'CUNNINGHAM 230KV'	250	-0.04832	SPS	'STEER WATER 115KV'	36	0.0652	-0.11352	3
SPS	'JONES 230KV'	382	-0.06919	SPS	'BLACKHAWK 115KV'	220	0.06276	-0.13195	3
SPS	'JONES 230KV'	382	-0.06919	SPS	'CZ 69KV'	35	0.06061	-0.1298	3
SPS	'JONES 230KV'	382	-0.06919	SPS	'HARRINGTON 230KV'	706	0.06112	-0.13031	3
SPS	'JONES 230KV'	382	-0.06919	SPS	'HUBRCO2 69KV'	5	0.06289	-0.13208	3
SPS	'JONES 230KV'	382	-0.06919	SPS	'SIDRCH 69KV'	14	0.06289	-0.13208	3
SPS	'JONES 230KV'	382	-0.06919	SPS	'STEER WATER 115KV'	36	0.0652	-0.13439	3
SPS	'JONES 230KV'	382	-0.06919	SPS	'WILWIND 230KV'	72	0.04035	-0.10954	3
SPS	'LP-BRND2 69KV'	172	-0.07007	SPS	'BLACKHAWK 115KV'	220	0.06276	-0.13283	3
SPS	'LP-BRND2 69KV'	172	-0.07007	SPS	'CZ 69KV'	35	0.06061	-0.13068	3
SPS	'LP-BRND2 69KV'	172	-0.07007	SPS	'HARRINGTON 230KV'	706	0.06112	-0.13119	3
SPS	'LP-BRND2 69KV'	172	-0.07007	SPS	'HUBRCO2 69KV'	5	0.06289	-0.13296	3
SPS	'LP-BRND2 69KV'	172	-0.07007	SPS	'SIDRCH 69KV'	14	0.06289	-0.13296	3
SPS	'LP-BRND2 69KV'	172	-0.07007	SPS	'STEER WATER 115KV'	36	0.0652	-0.13527	3
SPS	'LP-BRND2 69KV'	172	-0.07007	SPS	'WILWIND 230KV'	72	0.04035	-0.11042	3
SPS	'MADOX 115KV'	193	-0.04894	SPS	'BLACKHAWK 115KV'	220	0.06276	-0.1117	3
SPS	'MADOX 115KV'	193	-0.04894	SPS	'CZ 69KV'	35	0.06061	-0.10955	3
SPS	'MADOX 115KV'	193	-0.04894	SPS	'HARRINGTON 230KV'	706	0.06112	-0.11006	3
SPS	'MADOX 115KV'	193	-0.04894	SPS	'HUBRCO2 69KV'	5	0.06289	-0.11183	3
SPS	'MADOX 115KV'	193	-0.04894	SPS	'SIDRCH 69KV'	14	0.06289	-0.11183	3
SPS	'MADOX 115KV'	193	-0.04894	SPS	'STEER WATER 115KV'	36	0.0652	-0.11414	3
SPS	'MUSTANG 115KV'	110.366	-0.05097	SPS	'BLACKHAWK 115KV'	220	0.06276	-0.11373	3
SPS	'MUSTANG 115KV'	110.366	-0.05097	SPS	'CZ 69KV'	35	0.06061	-0.11158	3
SPS	'MUSTANG 115KV'	110.366	-0.05097	SPS	'HARRINGTON 230KV'	706	0.06112	-0.11209	3
SPS	'MUSTANG 115KV'	110.366	-0.05097	SPS	'HUBRCO2 69KV'	5	0.06289	-0.11386	3
SPS	'MUSTANG 115KV'	110.366	-0.05097	SPS	'SIDRCH 69KV'	14	0.06289	-0.11386	3
SPS	'MUSTANG 115KV'	110.366	-0.05097	SPS	'STEER WATER 115KV'	36	0.0652	-0.11617	3
SPS	'MUSTG5 118.0 230KV'	385	-0.04983	SPS	'BLACKHAWK 115KV'	220	0.06276	-0.11259	3
SPS	'MUSTG5 118.0 230KV'	385	-0.04983	SPS	'CZ 69KV'	35	0.06061	-0.11044	3
SPS	'MUSTG5 118.0 230KV'	385	-0.04983	SPS	'HARRINGTON 230KV'	706	0.06112	-0.11095	3
SPS	'MUSTG5 118.0 230KV'	385	-0.04983	SPS	'HUBRCO2 69KV'	5	0.06289	-0.11272	3
SPS	'MUSTG5 118.0 230KV'	385	-0.04983	SPS	'SIDRCH 69KV'	14	0.06289	-0.11272	3
SPS	'MUSTG5 118.0 230KV'	385	-0.04983	SPS	'STEER WATER 115KV'	36	0.0652	-0.11503	3
SPS	'PLANTX 115KV'	253	-0.05319	SPS	'BLACKHAWK 115KV'	220	0.06276	-0.11595	3
SPS	'PLANTX 115KV'	253	-0.05319	SPS	'CZ 69KV'	35	0.06061	-0.1138	3
SPS	'PLANTX 115KV'	253	-0.05319	SPS	'HARRINGTON 230KV'	706	0.06112	-0.11431	3
SPS	'PLANTX 115KV'	253	-0.05319	SPS	'HUBRCO2 69KV'	5	0.06289	-0.11608	3
SPS	'PLANTX 115KV'	253	-0.05319	SPS	'SIDRCH 69KV'	14	0.06289	-0.11608	3
SPS	'PLANTX 115KV'	253	-0.05319	SPS	'STEER WATER 115KV'	36	0.0652	-0.11839	3
SPS	'PLANTX 230KV'	189	-0.03515	SPS	'BLACKHAWK 115KV'	220	0.06276	-0.09791	3
SPS	'PLANTX 230KV'	189	-0.03515	SPS	'HUBRCO2 69KV'	5	0.06289	-0.09804	3
SPS	'PLANTX 230KV'	189	-0.03515	SPS	'SIDRCH 69KV'	14	0.06289	-0.09804	3
SPS	'PLANTX 230KV'	189	-0.03515	SPS	'STEER WATER 115KV'	36	0.0652	-0.10035	3
SPS	'TOLK 230KV'	48.53049	-0.03935	SPS	'BLACKHAWK 115KV'	220	0.06276	-0.10211	3
SPS	'TOLK 230KV'	48.53049	-0.03935	SPS	'CZ 69KV'	35	0.06061	-0.09996	3
SPS	'TOLK 230KV'	48.53049	-0.03935	SPS	'HARRINGTON 230KV'	706	0.06112	-0.10047	3
SPS	'TOLK 230KV'	48.53049	-0.03935	SPS	'HUBRCO2 69KV'	5	0.06289	-0.10224	3
SPS	'TOLK 230KV'	48.53049	-0.03935	SPS	'SIDRCH 69KV'	14	0.06289	-0.10224	3
SPS	'TOLK 230KV'	48.53049	-0.03935	SPS	'STEER WATER 115KV'	36	0.0652	-0.10455	3
SPS	'CARLSBAD 69KV'	18	-0.04594	SPS	'WILWIND 230KV'	72	0.04035	-0.08629	4
SPS	'CUNNINGHAM 115KV'	71	-0.04885	SPS	'WILWIND 230KV'	72	0.04035	-0.0892	4
SPS	'CUNNINGHAM 115KV'	110	-0.04885	SPS	'WILWIND 230KV'	72	0.04035	-0.0892	4
SPS	'CUNNINGHAM 230KV'	250	-0.04832	SPS	'WILWIND 230KV'	72	0.04035	-0.08867	4
SPS	'MADOX 115KV'	193	-0.04894	SPS	'WILWIND 230KV'	72	0.04035	-0.08929	4
SPS	'MUSTANG 115KV'	110.366	-0.05097	SPS	'WILWIND 230KV'	72	0.04035	-0.09132	4
SPS	'MUSTG5 118.0 230KV'	385	-0.04983	SPS	'WILWIND 230KV'	72	0.04035	-0.09018	4
SPS	'PLANTX 115KV'	253	-0.05319	SPS	'WILWIND 230KV'	72	0.04035	-0.09354	4
SPS	'PLANTX 230KV'	189	-0.03515	SPS	'CZ 69KV'	35	0.06061	-0.09576	4

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

SPS	'PLANTX 230KV'	189	-0.03515	SPS	'HARRINGTON 230KV'	706	0.06112	-0.09627	4
SPS	'PLANTX 230KV'	189	-0.03515	SPS	'WILWIND 230KV'	72	0.04035	-0.0755	4
SPS	'TOLK 230KV'	48.53049	-0.03935	SPS	'WILWIND 230KV'	72	0.04035	-0.0797	4
SPS	'TUCUMCARI 115KV'	15	-0.03172	SPS	'BLACKHAWK 115KV'	220	0.06276	-0.09448	4
SPS	'TUCUMCARI 115KV'	15	-0.03172	SPS	'CZ 69KV'	35	0.06061	-0.09233	4
SPS	'TUCUMCARI 115KV'	15	-0.03172	SPS	'HARRINGTON 230KV'	706	0.06112	-0.09284	4
SPS	'TUCUMCARI 115KV'	15	-0.03172	SPS	'HUBRCO2 69KV'	5	0.06289	-0.09461	4
SPS	'TUCUMCARI 115KV'	15	-0.03172	SPS	'SIDRCH 69KV'	14	0.06289	-0.09461	4
SPS	'TUCUMCARI 115KV'	15	-0.03172	SPS	'STEER WATER 115KV'	36	0.0652	-0.09692	4
SPS	'TUCUMCARI 115KV'	15	-0.03172	SPS	'WILWIND 230KV'	72	0.04035	-0.07207	5
SPS	'JONES 230KV'	382	-0.06919	SPS	'CAPROCK 115KV'	36	-0.03172	-0.03747	9
SPS	'LP-BRND2 69KV'	172	-0.07007	SPS	'CAPROCK 115KV'	36	-0.03172	-0.03835	9
SPS	'LP-BRND2 69KV'	172	-0.07007	SPS	'SAN JUAN 230KV'	54	-0.03926	-0.03081	11
SPS	'LP-BRND2 69KV'	172	-0.07007	SPS	'TOLK 230KV'	1031.469	-0.03935	-0.03072	11

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

Upgrade: Potter - Roosevelt 345KV Displacement
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 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162688	0.1	0.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'CARLSBAD 69KV'	18	-0.04595	SPS	'BLACKHAWK 115KV'	220	0.06273	-0.10868	1
SPS	'CARLSBAD 69KV'	18	-0.04595	SPS	'CZ 69KV'	39	0.06057	-0.10652	1
SPS	'CARLSBAD 69KV'	18	-0.04595	SPS	'HARRINGTON 230KV'	1066	0.0611	-0.10705	1
SPS	'CARLSBAD 69KV'	18	-0.04595	SPS	'HUBRCO2 69KV'	11	0.06285	-0.1088	1
SPS	'CARLSBAD 69KV'	18	-0.04595	SPS	'MOORE COUNTY 115KV'	48	0.05943	-0.10538	1
SPS	'CARLSBAD 69KV'	18	-0.04595	SPS	'NICHOLS 115KV'	147	0.06953	-0.11548	1
SPS	'CARLSBAD 69KV'	18	-0.04595	SPS	'NICHOLS 230KV'	147	0.06134	-0.10729	1
SPS	'CARLSBAD 69KV'	18	-0.04595	SPS	'SIDRCH 69KV'	20	0.06285	-0.1088	1
SPS	'CARLSBAD 69KV'	18	-0.04595	SPS	'STEER WATER 115KV'	8	0.06516	-0.11111	1
SPS	'CARLSBAD 69KV'	18	-0.04595	SPS	'WILWIND 230KV'	16	0.04033	-0.08628	1
SPS	'CUNNINGHAM 115KV'	6.552254	-0.04885	SPS	'BLACKHAWK 115KV'	220	0.06273	-0.11158	1
SPS	'CUNNINGHAM 115KV'	6.552254	-0.04885	SPS	'CZ 69KV'	39	0.06057	-0.10942	1
SPS	'CUNNINGHAM 115KV'	6.552254	-0.04885	SPS	'HARRINGTON 230KV'	1066	0.0611	-0.10995	1
SPS	'CUNNINGHAM 115KV'	6.552254	-0.04885	SPS	'HUBRCO2 69KV'	11	0.06285	-0.1117	1
SPS	'CUNNINGHAM 115KV'	6.552254	-0.04885	SPS	'MOORE COUNTY 115KV'	48	0.05943	-0.10828	1
SPS	'CUNNINGHAM 115KV'	6.552254	-0.04885	SPS	'NICHOLS 115KV'	147	0.06953	-0.11838	1
SPS	'CUNNINGHAM 115KV'	6.552254	-0.04885	SPS	'NICHOLS 230KV'	147	0.06134	-0.11019	1
SPS	'CUNNINGHAM 115KV'	6.552254	-0.04885	SPS	'SIDRCH 69KV'	20	0.06285	-0.1117	1
SPS	'CUNNINGHAM 115KV'	6.552254	-0.04885	SPS	'STEER WATER 115KV'	8	0.06516	-0.11401	1
SPS	'CUNNINGHAM 115KV'	6.552254	-0.04885	SPS	'WILWIND 230KV'	16	0.04033	-0.08918	1
SPS	'LP-BRND2 69KV'	152	-0.07007	SPS	'BLACKHAWK 115KV'	220	0.06273	-0.1328	1
SPS	'LP-BRND2 69KV'	152	-0.07007	SPS	'CZ 69KV'	39	0.06057	-0.13064	1
SPS	'LP-BRND2 69KV'	152	-0.07007	SPS	'HARRINGTON 230KV'	1066	0.0611	-0.13117	1
SPS	'LP-BRND2 69KV'	152	-0.07007	SPS	'HUBRCO2 69KV'	11	0.06285	-0.13292	1
SPS	'LP-BRND2 69KV'	152	-0.07007	SPS	'MOORE COUNTY 115KV'	48	0.05943	-0.1295	1
SPS	'LP-BRND2 69KV'	152	-0.07007	SPS	'NICHOLS 115KV'	147	0.06953	-0.1396	1
SPS	'LP-BRND2 69KV'	152	-0.07007	SPS	'NICHOLS 230KV'	147	0.06134	-0.13141	1
SPS	'LP-BRND2 69KV'	152	-0.07007	SPS	'SIDRCH 69KV'	20	0.06285	-0.13292	1
SPS	'LP-BRND2 69KV'	152	-0.07007	SPS	'STEER WATER 115KV'	8	0.06516	-0.13523	1
SPS	'LP-BRND2 69KV'	152	-0.07007	SPS	'WILWIND 230KV'	16	0.04033	-0.1104	1
SPS	'MADOX 115KV'	62	-0.04895	SPS	'BLACKHAWK 115KV'	220	0.06273	-0.11168	1
SPS	'MADOX 115KV'	62	-0.04895	SPS	'CZ 69KV'	39	0.06057	-0.10952	1
SPS	'MADOX 115KV'	62	-0.04895	SPS	'HARRINGTON 230KV'	1066	0.0611	-0.11005	1
SPS	'MADOX 115KV'	62	-0.04895	SPS	'HUBRCO2 69KV'	11	0.06285	-0.1118	1
SPS	'MADOX 115KV'	62	-0.04895	SPS	'MOORE COUNTY 115KV'	48	0.05943	-0.10838	1
SPS	'MADOX 115KV'	62	-0.04895	SPS	'NICHOLS 115KV'	147	0.06953	-0.11848	1
SPS	'MADOX 115KV'	62	-0.04895	SPS	'NICHOLS 230KV'	147	0.06134	-0.11029	1
SPS	'MADOX 115KV'	62	-0.04895	SPS	'SIDRCH 69KV'	20	0.06285	-0.1118	1
SPS	'MADOX 115KV'	62	-0.04895	SPS	'STEER WATER 115KV'	8	0.06516	-0.11411	1
SPS	'MADOX 115KV'	62	-0.04895	SPS	'WILWIND 230KV'	16	0.04033	-0.08928	1
SPS	'MUSTG5 118.0 230KV'	150	-0.04984	SPS	'BLACKHAWK 115KV'	220	0.06273	-0.11257	1
SPS	'MUSTG5 118.0 230KV'	150	-0.04984	SPS	'CZ 69KV'	39	0.06057	-0.11041	1
SPS	'MUSTG5 118.0 230KV'	150	-0.04984	SPS	'HARRINGTON 230KV'	1066	0.0611	-0.11094	1
SPS	'MUSTG5 118.0 230KV'	150	-0.04984	SPS	'HUBRCO2 69KV'	11	0.06285	-0.11269	1
SPS	'MUSTG5 118.0 230KV'	150	-0.04984	SPS	'MOORE COUNTY 115KV'	48	0.05943	-0.10927	1
SPS	'MUSTG5 118.0 230KV'	150	-0.04984	SPS	'NICHOLS 115KV'	147	0.06953	-0.11937	1
SPS	'MUSTG5 118.0 230KV'	150	-0.04984	SPS	'NICHOLS 230KV'	147	0.06134	-0.11118	1
SPS	'MUSTG5 118.0 230KV'	150	-0.04984	SPS	'SIDRCH 69KV'	20	0.06285	-0.11269	1
SPS	'MUSTG5 118.0 230KV'	150	-0.04984	SPS	'STEER WATER 115KV'	8	0.06516	-0.115	1
SPS	'MUSTG5 118.0 230KV'	150	-0.04984	SPS	'WILWIND 230KV'	16	0.04033	-0.09017	1
SPS	'PLANTX 115KV'	48	-0.05319	SPS	'BLACKHAWK 115KV'	220	0.06273	-0.11592	1
SPS	'PLANTX 115KV'	48	-0.05319	SPS	'CZ 69KV'	39	0.06057	-0.11376	1
SPS	'PLANTX 115KV'	48	-0.05319	SPS	'HARRINGTON 230KV'	1066	0.0611	-0.11429	1
SPS	'PLANTX 115KV'	48	-0.05319	SPS	'HUBRCO2 69KV'	11	0.06285	-0.11604	1
SPS	'PLANTX 115KV'	48	-0.05319	SPS	'MOORE COUNTY 115KV'	48	0.05943	-0.11262	1
SPS	'PLANTX 115KV'	48	-0.05319	SPS	'NICHOLS 115KV'	147	0.06953	-0.12272	1
SPS	'PLANTX 115KV'	48	-0.05319	SPS	'NICHOLS 230KV'	147	0.06134	-0.11453	1
SPS	'PLANTX 115KV'	48	-0.05319	SPS	'SIDRCH 69KV'	20	0.06285	-0.11604	1
SPS	'PLANTX 115KV'	48	-0.05319	SPS	'STEER WATER 115KV'	8	0.06516	-0.11835	1
SPS	'PLANTX 115KV'	48	-0.05319	SPS	'WILWIND 230KV'	16	0.04033	-0.09352	1
SPS	'TOLK 230KV'	50.11734	-0.03935	SPS	'BLACKHAWK 115KV'	220	0.06273	-0.10208	1
SPS	'TOLK 230KV'	50.11734	-0.03935	SPS	'CZ 69KV'	39	0.06057	-0.09992	1
SPS	'TOLK 230KV'	50.11734	-0.03935	SPS	'HARRINGTON 230KV'	1066	0.0611	-0.10045	1
SPS	'TOLK 230KV'	50.11734	-0.03935	SPS	'HUBRCO2 69KV'	11	0.06285	-0.1022	1
SPS	'TOLK 230KV'	50.11734	-0.03935	SPS	'MOORE COUNTY 115KV'	48	0.05943	-0.09878	1
SPS	'TOLK 230KV'	50.11734	-0.03935	SPS	'NICHOLS 115KV'	147	0.06953	-0.10888	1
SPS	'TOLK 230KV'	50.11734	-0.03935	SPS	'NICHOLS 230KV'	147	0.06134	-0.10069	1
SPS	'TOLK 230KV'	50.11734	-0.03935	SPS	'SIDRCH 69KV'	20	0.06285	-0.1022	1
SPS	'TOLK 230KV'	50.11734	-0.03935	SPS	'STEER WATER 115KV'	8	0.06516	-0.10451	1
SPS	'TOLK 230KV'	50.11734	-0.03935	SPS	'WILWIND 230KV'	16	0.04033	-0.07968	1
SPS	'TUCUMCARI 115KV'	15	-0.03173	SPS	'BLACKHAWK 115KV'	220	0.06273	-0.09446	1
SPS	'TUCUMCARI 115KV'	15	-0.03173	SPS	'CZ 69KV'	39	0.06057	-0.0923	1
SPS	'TUCUMCARI 115KV'	15	-0.03173	SPS	'HARRINGTON 230KV'	1066	0.0611	-0.09283	1
SPS	'TUCUMCARI 115KV'	15	-0.03173	SPS	'HUBRCO2 69KV'	11	0.06285	-0.09458	1
SPS	'TUCUMCARI 115KV'	15	-0.03173	SPS	'MOORE COUNTY 115KV'	48	0.05943	-0.09116	1
SPS	'TUCUMCARI 115KV'	15	-0.03173	SPS	'NICHOLS 115KV'	147	0.06953	-0.10126	1
SPS	'TUCUMCARI 115KV'	15	-0.03173	SPS	'NICHOLS 230KV'	147	0.06134	-0.09307	1
SPS	'TUCUMCARI 115KV'	15	-0.03173	SPS	'SIDRCH 69KV'	20	0.06285	-0.09458	1
SPS	'TUCUMCARI 115KV'	15	-0.03173	SPS	'STEER WATER 115KV'	8	0.06516	-0.09689	1
SPS	'TUCUMCARI 115KV'	15	-0.03173	SPS	'WILWIND 230KV'	16	0.04033	-0.07206	1
SPS	'LP-BRND2 69KV'	152	-0.07007	SPS	'CAPROCK 115KV'	8	-0.03173	-0.03834	2
SPS	'LP-BRND2 69KV'	152	-0.07007	SPS	'PLANTX 230KV'	189	-0.03516	-0.03491	3

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

SPS	'LP-BRND2 69KV'	152	-0.07007	SPS	'SAN JUAN 230KV'	12	-0.03927	-0.0308	3
SPS	'LP-BRND2 69KV'	152	-0.07007	SPS	'TOLK 230KV'	1029.883	-0.03935	-0.03072	3

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

Upgrade: Potter - Roosevelt 345KV Displacement
Limiting Facility: POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51441 1
Flowgate: POTTTRCO2761GEN5144113407FA
Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	5.3	14.4
1162223	0.2	14.4
1162617	0.2	14.4
1162649	3.3	14.4
1162675	4.7	14.4
1165218	0.7	14.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WEPL	'CLIFTON 115KV'	70	0.05477	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	0.20148	-0.14671	98
WEPL	'CLIFTON 115KV'	70	0.05477	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	0.20148	-0.14671	98
WERE	'NEOSHO ENERGY CENTER 138KV'	67	-0.00391	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.09098	158
WERE	'NEOSHO ENERGY CENTER 138KV'	67	-0.00391	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.09098	158
WERE	'LYONS 115KV'	999	-0.0026	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.08967	161
WERE	'LYONS 115KV'	999	-0.0026	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.08967	161
WERE	'CLR_3 .575 34KV'	300	0.0015	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.08557	168
WERE	'CLR_3 .575 34KV'	300	0.0015	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.08557	168
WERE	'LATHAM1234.0 345KV'	150	0.0015	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.08557	168
WERE	'LATHAM1234.0 345KV'	150	0.0015	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.08557	168
WERE	'EVANS ENERGY CENTER 138KV'	488	0.0029	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.08417	171
WERE	'EVANS ENERGY CENTER 138KV'	488	0.0029	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.08417	171
WERE	'EVANS N4 138 16KV'	360	0.00288	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.08419	171
WERE	'EVANS N4 138 16KV'	360	0.00288	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.08419	171
WERE	'GILL ENERGY CENTER 69KV'	118	0.0052	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.08187	176
WERE	'GILL ENERGY CENTER 69KV'	118	0.0052	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.08187	176
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'AEP-CT0613.8 161KV'	320	-0.01592	-0.0745	193
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'AEP-CT0613.8 161KV'	320	-0.01592	-0.0745	193
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'AEP-CT0613.8 161KV'	320	-0.01592	-0.0745	193
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'AEP-CT0613.8 161KV'	320	-0.01592	-0.0745	193
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'FLINT CREEK 161KV'	400	-0.01575	-0.07467	193
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'FLINT CREEK 161KV'	400	-0.01575	-0.07467	193
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'FLINT CREEK 161KV'	400	-0.01575	-0.07467	193
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'FLINT CREEK 161KV'	400	-0.01575	-0.07467	193
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'FITZHUGH 161KV'	92	-0.01632	-0.0741	194
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'FITZHUGH 161KV'	92	-0.01632	-0.0741	194
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'FITZHUGH 161KV'	92	-0.01632	-0.0741	194
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'FITZHUGH 161KV'	92	-0.01632	-0.0741	194
SPS	'NICHOLS 230KV'	244	-0.37259	SPS	'JONES 230KV'	486	-0.29863	-0.07396	195
SPS	'NICHOLS 230KV'	244	-0.37259	SPS	'JONES 230KV'	486	-0.29863	-0.07396	195
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'NORTHEASTERN STATION 345KV'	550	-0.01947	-0.07095	203
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'NORTHEASTERN STATION 345KV'	550	-0.01947	-0.07095	203
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'NORTHEASTERN STATION 345KV'	550	-0.01947	-0.07095	203
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'NORTHEASTERN STATION 345KV'	550	-0.01947	-0.07095	203
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'NORTHEASTERN STATION 138KV'	76.5	-0.02097	-0.06945	207
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'NORTHEASTERN STATION 138KV'	76.5	-0.02097	-0.06945	207
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'NORTHEASTERN STATION 138KV'	76.5	-0.02097	-0.06945	207
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'NORTHEASTERN STATION 138KV'	76.5	-0.02097	-0.06945	207
SPS	'NICHOLS 115KV'	213	-0.36654	SPS	'JONES 230KV'	486	-0.29863	-0.06791	212
SPS	'NICHOLS 115KV'	213	-0.36654	SPS	'JONES 230KV'	486	-0.29863	-0.06791	212
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'EASTMAN 138KV'	355	-0.02248	-0.06794	212
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'EASTMAN 138KV'	355	-0.02248	-0.06794	212
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'EASTMAN 138KV'	355	-0.02248	-0.06794	212
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'EASTMAN 138KV'	355	-0.02248	-0.06794	212
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'LEBROCK 345KV'	515	-0.02243	-0.06799	212
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'LEBROCK 345KV'	515	-0.02243	-0.06799	212
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'LEBROCK 345KV'	515	-0.02243	-0.06799	212
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'LEBROCK 345KV'	515	-0.02243	-0.06799	212
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02238	-0.06804	212
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02238	-0.06804	212
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02238	-0.06804	212
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02238	-0.06804	212
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'OEC 345KV'	269	-0.02446	-0.06596	218
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'OEC 345KV'	269	-0.02446	-0.06596	218
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'OEC 345KV'	269	-0.02446	-0.06596	218
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'OEC 345KV'	269	-0.02446	-0.06596	218
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'WELSH 345KV'	990	-0.02482	-0.0656	219
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'WELSH 345KV'	990	-0.02482	-0.0656	219
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'WELSH 345KV'	990	-0.02482	-0.0656	219
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'WELSH 345KV'	990	-0.02482	-0.0656	219
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'COGENTRIX 345KV'	304	-0.02695	-0.06347	227
AEPW	'SOUTHWESTERN STATION 138KV'	394	-0.09042	AEPW	'COGENTRIX 345KV'	304	-0.02695	-0.06347	227
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'COGENTRIX 345KV'	304	-0.02695	-0.06347	227
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'COGENTRIX 345KV'	304	-0.02695	-0.06347	227
WERE	'LANG 7 345 345KV'	828	0.0259	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.06117	235
WERE	'LANG 7 345 345KV'	828	0.0259	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.06117	235
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	0.0287	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.05837	247
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	0.0287	WERE	'HUTCHINSON ENERGY CENTER 115KV'	106.103	0.08707	-0.05837	247
SPS	'NICHOLS 230KV'	244	-0.37259	SPS	'MUSTANG 115KV'	300	-0.31458	-0.05801	248
SPS	'NICHOLS 230KV'	244	-0.37259	SPS	'MUSTANG 115KV'	300	-0.31458	-0.05801	248
SPS	'NICHOLS 230KV'	244	-0.37259	SPS	'MUSTG5 118.0 230KV'	160	-0.31543	-0.05716	252
SPS	'NICHOLS 230KV'	244	-0.37259	SPS	'MUSTG5 118.0 230KV'	160	-0.31543	-0.05716	252
SPS	'NICHOLS 115KV'	213	-0.36654	SPS	'MUSTANG 115KV'	300	-0.31458	-0.05196	277
SPS	'NICHOLS 115KV'	213	-0.36654	SPS	'MUSTANG 115KV'	300	-0.31458	-0.05196	277
SPS	'NICHOLS 115KV'	213	-0.36654	SPS	'MUSTG5 118.0 230KV'	160	-0.31543	-0.05111	282
SPS	'NICHOLS 115KV'	213	-0.36654	SPS	'MUSTG5 118.0 230KV'	160	-0.31543	-0.05111	282
WFEC	'BLUCAN14 138 138KV'	151.2	-0.09089	WFEC	'HUGO 138KV'	450	-0.0401	-0.05079	283
WFEC	'BLUCAN14 138 138KV'	151.2	-0.09089	WFEC	'HUGO 138KV'	450	-0.0401	-0.05079	283
SPS	'NICHOLS 230KV'	244	-0.37259	SPS	'TOLK 230KV'	1041.065	-0.32373	-0.04886	295
SPS	'NICHOLS 230KV'	244	-0.37259	SPS	'TOLK 230KV'	1041.065	-0.32373	-0.04886	295
WFEC	'MORLND 138KV'	320	-0.08344	WFEC	'HUGO 138KV'	450	-0.0401	-0.04334	332
WFEC	'MORLND 138KV'	320	-0.08344	WFEC	'HUGO 138KV'	450	-0.0401	-0.04334	332
SPS	'NICHOLS 115KV'	213	-0.36654	SPS	'TOLK 230KV'	1041.065	-0.32373	-0.04281	336
SPS	'NICHOLS 115KV'	213	-0.36654	SPS	'TOLK 230KV'	1041.065	-0.32373	-0.04281	336
WERE	'LYONS 115KV'	999	-0.0026	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0366	-0.0392	367
WERE	'LYONS 115KV'	999	-0.0026	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0366	-0.0392	367
WERE	'LYONS 115KV'	999	-0.0026	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03637	-0.03897	369
WERE	'LYONS 115KV'	999	-0.0026	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03637	-0.03897	369
OKGE	'MUSTANG 138KV'	365.5	-0.05446	OKGE	'AES 161KV'	320	-0.01871	-0.03575	403

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

OKGE	'MUSTANG 138KV'	365.5	-0.05446	OKGE	'AES 161KV'	320	-0.01871	-0.03575	403
WERE	'CLR_3 .575 34KV'	300	0.0015	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0366	-0.0351	410
WERE	'CLR_3 .575 34KV'	300	0.0015	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0366	-0.0351	410
WERE	'LATHAM1234.0 345KV'	150	0.0015	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0366	-0.0351	410
WERE	'LATHAM1234.0 345KV'	150	0.0015	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0366	-0.0351	410
WERE	'CLR_3 .575 34KV'	300	0.0015	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03637	-0.03487	413
WERE	'CLR_3 .575 34KV'	300	0.0015	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03637	-0.03487	413
WERE	'LATHAM1234.0 345KV'	150	0.0015	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03637	-0.03487	413
WERE	'LATHAM1234.0 345KV'	150	0.0015	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03637	-0.03487	413
WERE	'EVANS ENERGY CENTER 138KV'	488	0.0029	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0366	-0.0337	427
WERE	'EVANS ENERGY CENTER 138KV'	488	0.0029	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0366	-0.0337	427

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

Upgrade: Potter - Roosevelt 345KV Displacement
Limiting Facility: POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51441 1
Flowgate: POTTTRCO2761GEN5144113407SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1162087	2.3	6.8
1162617	0.1	6.8
1162649	1.6	6.8
1162650	0.1	6.8
1162651	0.1	6.8
1162654	0.1	6.8
1162675	2.1	6.8
1165218	0.3	6.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
KACP	'CITY OF HIGGINSVILLE 69KV'	36	0.01788	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.20436	33
KACP	'MARSHALL 161KV'	39.1	0.01585	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.20639	33
KACP	'MONTROSE 161KV'	27.56079	0.01709	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.20515	33
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	0.01533	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.20691	33
KACP	'BULL CREEK 161KV'	292.6	0.02031	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.20193	34
KACP	'GRAND AVENUE 161KV'	65	0.02249	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19975	34
KACP	'NORTHEAST 13KV'	56	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	34
KACP	'NORTHEAST 13KV'	56	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	34
KACP	'NORTHEAST 13KV'	58	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	34
KACP	'NORTHEAST 13KV'	59	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	34
KACP	'NORTHEAST 161KV'	55	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	34
KACP	'NORTHEAST 161KV'	58	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	34
KACP	'NORTHEAST 161KV'	58	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	34
KACP	'NORTHEAST 161KV'	58	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	34
WEPL	'HARPER 138KV'	17.21	0.05269	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	0.20596	-0.15327	44
WEPL	'CLIFTON 115KV'	42.30078	0.05327	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	0.20596	-0.15269	45
WEPL	'CLIFTON 115KV'	42.30078	0.05327	WEPL	'JUDSON LARGE 115KV'	109.8414	0.20571	-0.15244	45
WEPL	'HARPER 138KV'	17.21	0.05269	WEPL	'JUDSON LARGE 115KV'	109.8414	0.20571	-0.15302	45
WEPL	'BELOIT 115KV'	16.6	0.06649	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	0.20596	-0.13947	49
WEPL	'BELOIT 115KV'	16.6	0.06649	WEPL	'JUDSON LARGE 115KV'	109.8414	0.20571	-0.13922	49
WERE	'CITY OF WINFIELD 69KV'	40	-0.0107	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.09938	69
WERE	'NEOSHO ENERGY CENTER 138KV'	67	-0.00416	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.09284	73
WERE	'CHANUTE 69KV'	41.183	-0.00357	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.09225	74
WERE	'LYONS 115KV'	999	-0.00276	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.09144	74
WEPL	'CLIFTON 115KV'	42.30078	0.05327	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	0.14314	-0.08987	76
WERE	'CLR_3 .575 34KV'	300	0.0012	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.08748	78
WERE	'LATHAM1234.0 345KV'	150	0.0012	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.08748	78
WERE	'EVANS ENERGY CENTER 138KV'	438	0.00261	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.08607	79
WERE	'EVANS N4 138 16KV'	360	0.00259	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.08609	79
WERE	'GETTY 69KV'	35	0.00325	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.08543	80
WEPL	'RUSSELL 115KV'	27.9	0.12112	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	0.20596	-0.08484	80
WERE	'GILL ENERGY CENTER 69KV'	118	0.00502	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.08366	81
WEPL	'RUSSELL 115KV'	27.9	0.12112	WEPL	'JUDSON LARGE 115KV'	109.8414	0.20571	-0.08459	81
SPS	'MOORE COUNTY 115KV'	48	-0.37575	SPS	'LP-BRND2 69KV'	80	-0.29602	-0.07973	85
SPS	'MOORE COUNTY 115KV'	48	-0.37575	SPS	'JONES 230KV'	486	-0.29696	-0.07879	86
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'LP-BRND2 69KV'	80	-0.29602	-0.07526	91
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'JONES 230KV'	486	-0.29696	-0.07432	92
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'FLINT CREEK 161KV'	400	-0.01586	-0.07433	92
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'FLINT CREEK 161KV'	400	-0.01586	-0.07433	92
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'NORTHEASTERN STATION 345KV'	608	-0.01961	-0.07058	97
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'NORTHEASTERN STATION 345KV'	608	-0.01961	-0.07058	97
SPS	'NICHOLS 115KV'	131	-0.36527	SPS	'LP-BRND2 69KV'	80	-0.29602	-0.06925	98
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.02108	-0.06911	99
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.02108	-0.06911	99
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.02108	-0.06911	99
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.02108	-0.06911	99
SPS	'NICHOLS 115KV'	131	-0.36527	SPS	'JONES 230KV'	486	-0.29696	-0.06831	100
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'KNOXLEE 138KV'	103	-0.02231	-0.06788	100
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'KNOXLEE 138KV'	103	-0.02231	-0.06788	100
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02238	-0.06781	100
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02238	-0.06781	100
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'EASTMAN 138KV'	155	-0.02247	-0.06772	101
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'EASTMAN 138KV'	155	-0.02247	-0.06772	101
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'LEBROCK 345KV'	515	-0.02242	-0.06777	101
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'LEBROCK 345KV'	515	-0.02242	-0.06777	101
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'WILKES 345KV'	129	-0.02283	-0.06736	101
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'WILKES 345KV'	129	-0.02283	-0.06736	101
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'WILKES 138KV'	108.4181	-0.02316	-0.06703	102
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'WILKES 138KV'	108.4181	-0.02316	-0.06703	102
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'OEC 345KV'	519	-0.02456	-0.06563	104
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'OEC 345KV'	519	-0.02456	-0.06563	104
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'WELSH 345KV'	960	-0.02481	-0.06538	104
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'WELSH 345KV'	960	-0.02481	-0.06538	104
WERE	'CITY OF WINFIELD 69KV'	40	-0.0107	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05325	-0.06395	107
WERE	'LANG 7 345 345KV'	828	0.02507	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.06361	107
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'TULSA POWER STATION 138KV'	39	-0.02628	-0.06391	107
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'TULSA POWER STATION 138KV'	38	-0.02628	-0.06391	107
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'TULSA POWER STATION 138KV'	38	-0.02628	-0.06391	107
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'TULSA POWER STATION 138KV'	39	-0.02628	-0.06391	107
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'COGENTRIX 345KV'	504	-0.02703	-0.06316	108
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'COGENTRIX 345KV'	504	-0.02703	-0.06316	108
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'RIVERSIDE STATION 138KV'	427	-0.02691	-0.06328	108
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'RIVERSIDE STATION 138KV'	427	-0.02691	-0.06328	108
SPS	'MOORE COUNTY 115KV'	48	-0.37575	SPS	'MUSTANG 115KV'	300	-0.3132	-0.06255	109
SPS	'MOORE COUNTY 115KV'	48	-0.37575	SPS	'MUSTG5 118.0 230KV'	160	-0.31408	-0.06167	110
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.02787	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.06081	112
WERE	'LAWRENCE ENERGY CENTER 230KV'	40.7056	0.02812	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.06056	112
SPS	'MOORE COUNTY 115KV'	48	-0.37575	SPS	'CUNNINGHAM 230KV'	218	-0.31516	-0.06059	112

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

SPS	'MOORE COUNTY 115KV'	48	-0.37575	SPS	'MADOX 115KV'	118	-0.3147	-0.06105	112
WERE	'TECUMSEH ENERGY CENTER 115KV'	52.99999	0.03008	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.0586	116
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'MUSTANG 115KV'	300	-0.3132	-0.05808	117
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.03034	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.05834	117
WERE	'NEOSHO ENERGY CENTER 138KV'	67	-0.00416	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05325	-0.05741	119
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'MUSTG5 118.0 230KV'	160	-0.31408	-0.0572	119
WERE	'CHANUTE 69KV'	41.183	-0.00357	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05325	-0.05682	120
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'MADOX 115KV'	118	-0.3147	-0.05658	120
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'CUNNINGHAM 230KV'	218	-0.31516	-0.05612	121
SPS	'MOORE COUNTY 115KV'	48	-0.37575	SPS	'TOLK 230KV'	1041.992	-0.32254	-0.05321	128
SPS	'NICHOLS 115KV'	131	-0.36527	SPS	'MUSTANG 115KV'	300	-0.3132	-0.05207	131
SPS	'NICHOLS 115KV'	131	-0.36527	SPS	'MUSTG5 118.0 230KV'	160	-0.31408	-0.05119	133
SPS	'MOORE COUNTY 115KV'	48	-0.37575	SPS	'PLANTX 115KV'	194.0776	-0.32497	-0.05078	134
WFEC	'BLUCAN14 138 138KV'	151.2	-0.09066	WFEC	'HUGO 138KV'	450	-0.04007	-0.05059	135
SPS	'NICHOLS 115KV'	131	-0.36527	SPS	'MADOX 115KV'	118	-0.3147	-0.05057	135
SPS	'NICHOLS 115KV'	131	-0.36527	SPS	'CUNNINGHAM 230KV'	218	-0.31516	-0.05011	136
SPS	'MOORE COUNTY 115KV'	48	-0.37575	SPS	'PLANTX 230KV'	189	-0.3263	-0.04945	138
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'TOLK 230KV'	1041.992	-0.32254	-0.04874	140
WFEC	'ANADARKO 138KV'	79.09633	-0.08661	WFEC	'HUGO 138KV'	450	-0.04007	-0.04654	146
WFEC	'ANADARKO 138KV'	90	-0.08661	WFEC	'HUGO 138KV'	450	-0.04007	-0.04654	146
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'PLANTX 115KV'	194.0776	-0.32497	-0.04631	147
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'PLANTX 230KV'	189	-0.3263	-0.04498	151

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

Upgrade: Potter - Roosevelt 345KV Displacement
Limiting Facility: POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51442 1
Flowgate: POTTTRCO2761GEN5144213407G
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
1162649	6.4	19.0
1162650	0.6	19.0
1162651	0.5	19.0
1162654	0.2	19.0
1162675	10.1	19.0
1165218	1.2	19.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
KACP	'LACYGNE UNIT 345KV'	736	0.0144	KACP	'SPEARVILLE WIND 34KV'	101	0.22248	-0.20808	91
KACP	'MARSHALL 161KV'	39.1	0.01617	KACP	'SPEARVILLE WIND 34KV'	101	0.22248	-0.20631	92
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	0.01567	KACP	'SPEARVILLE WIND 34KV'	101	0.22248	-0.20681	92
KACP	'CITY OF HIGGINSVILLE 69KV'	36	0.01821	KACP	'SPEARVILLE WIND 34KV'	101	0.22248	-0.20427	93
KACP	'BULL CREEK 161KV'	203.28	0.02063	KACP	'SPEARVILLE WIND 34KV'	101	0.22248	-0.20185	94
KACP	'GRAND AVENUE 161KV'	65	0.02282	KACP	'SPEARVILLE WIND 34KV'	101	0.22248	-0.19966	95
KACP	'NORTHEAST 13KV'	56	0.02283	KACP	'SPEARVILLE WIND 34KV'	101	0.22248	-0.19965	95
KACP	'NORTHEAST 13KV'	56	0.02283	KACP	'SPEARVILLE WIND 34KV'	101	0.22248	-0.19965	95
KACP	'NORTHEAST 13KV'	58	0.02283	KACP	'SPEARVILLE WIND 34KV'	101	0.22248	-0.19965	95
KACP	'NORTHEAST 13KV'	59	0.02283	KACP	'SPEARVILLE WIND 34KV'	101	0.22248	-0.19965	95
KACP	'NORTHEAST 161KV'	55	0.02283	KACP	'SPEARVILLE WIND 34KV'	101	0.22248	-0.19965	95
KACP	'NORTHEAST 161KV'	58	0.02283	KACP	'SPEARVILLE WIND 34KV'	101	0.22248	-0.19965	95
KACP	'NORTHEAST 161KV'	58	0.02283	KACP	'SPEARVILLE WIND 34KV'	101	0.22248	-0.19965	95
KACP	'NORTHEAST 161KV'	58	0.02283	KACP	'SPEARVILLE WIND 34KV'	101	0.22248	-0.19965	95
WEPL	'CLIFTON 115KV'	70	0.05361	WEPL	'JUDSON LARGE 115KV'	79.80884	0.20595	-0.15234	125
WERE	'LYONS 115KV'	999	-0.00255	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.08897	-0.09152	208
WERE	'CLR_3 .575 34KV'	300	0.00148	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.08897	-0.08749	217
WERE	'LATHAM1234.0 345KV'	150	0.00148	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.08897	-0.08749	217
WERE	'EVANS ENERGY CENTER 138KV'	313	0.00283	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.08897	-0.08614	221
WERE	'EVANS N4 138 16KV'	360	0.00281	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.08897	-0.08616	221
WERE	'GILL ENERGY CENTER 69KV'	118	0.00524	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.08897	-0.08373	227
WERE	'LYONS 115KV'	999	-0.00255	WERE	'BPU - CITY OF MCPHERSON 115KV'	101.1042	0.07863	-0.08118	234
WERE	'CLR_3 .575 34KV'	300	0.00148	WERE	'BPU - CITY OF MCPHERSON 115KV'	101.1042	0.07863	-0.07715	246
WERE	'LATHAM1234.0 345KV'	150	0.00148	WERE	'BPU - CITY OF MCPHERSON 115KV'	101.1042	0.07863	-0.07715	246
WERE	'EVANS ENERGY CENTER 138KV'	313	0.00283	WERE	'BPU - CITY OF MCPHERSON 115KV'	101.1042	0.07863	-0.0758	251
WERE	'EVANS N4 138 16KV'	360	0.00281	WERE	'BPU - CITY OF MCPHERSON 115KV'	101.1042	0.07863	-0.07582	251
SPS	'HARRINGTON 230KV'	360	-0.37248	SPS	'JONES 230KV'	486	-0.29703	-0.07545	252
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'FLINT CREEK 161KV'	400	-0.01548	-0.07494	254
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'FLINT CREEK 161KV'	400	-0.01548	-0.07494	254
SPS	'NICHOLS 230KV'	196	-0.3713	SPS	'JONES 230KV'	486	-0.29703	-0.07427	256
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'FITZHUGH 161KV'	87	-0.01647	-0.07395	257
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'FITZHUGH 161KV'	87	-0.01647	-0.07395	257
WERE	'GILL ENERGY CENTER 69KV'	118	0.00524	WERE	'BPU - CITY OF MCPHERSON 115KV'	101.1042	0.07863	-0.07339	259
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'NORTHEASTERN STATION 345KV'	550	-0.01905	-0.07137	266
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'NORTHEASTERN STATION 345KV'	550	-0.01905	-0.07137	266
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.0204	-0.07002	271
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'NORTHEASTERN STATION 138KV'	304	-0.0204	-0.07002	271
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.0204	-0.07002	271
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'NORTHEASTERN STATION 138KV'	304	-0.0204	-0.07002	271
SPS	'NICHOLS 115KV'	129.6919	-0.3653	SPS	'JONES 230KV'	486	-0.29703	-0.06827	278
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'EASTMAN 138KV'	155	-0.02261	-0.06781	280
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'EASTMAN 138KV'	155	-0.02261	-0.06781	280
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'KNOXLEE 138KV'	103	-0.02245	-0.06797	280
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'KNOXLEE 138KV'	103	-0.02245	-0.06797	280
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'LEBROCK 345KV'	515	-0.02257	-0.06785	280
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'LEBROCK 345KV'	515	-0.02257	-0.06785	280
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02253	-0.06789	280
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02253	-0.06789	280
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'WILKES 345KV'	150.9412	-0.02299	-0.06743	282
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'WILKES 345KV'	150.9412	-0.02299	-0.06743	282
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'WILKES 138KV'	133	-0.02333	-0.06709	283
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'WILKES 138KV'	133	-0.02333	-0.06709	283
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'OEC 345KV'	419	-0.02494	-0.06548	290
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'OEC 345KV'	419	-0.02494	-0.06548	290
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'WELSH 345KV'	1012	-0.02498	-0.06544	290
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'WELSH 345KV'	1012	-0.02498	-0.06544	290
WERE	'LANG 7 345 345KV'	828	0.02536	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.08897	-0.06361	299
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'RIVERSIDE STATION 138KV'	305	-0.02686	-0.06356	299
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'RIVERSIDE STATION 138KV'	305	-0.02686	-0.06356	299
AEPW	'SOUTHWESTERN STATION 138KV'	282.5	-0.09042	AEPW	'COGENTRIX 345KV'	300	-0.02828	-0.06214	306
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09042	AEPW	'COGENTRIX 345KV'	300	-0.02828	-0.06214	306
SPS	'HARRINGTON 230KV'	360	-0.37248	SPS	'MUSTANG 115KV'	300	-0.31327	-0.05921	321
WERE	'TECUMSEH ENERGY CENTER 115KV'	123	0.0304	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.08897	-0.05857	324
SPS	'HARRINGTON 230KV'	360	-0.37248	SPS	'MUSTG5 118.0 230KV'	160	-0.31414	-0.05834	326
SPS	'NICHOLS 230KV'	196	-0.3713	SPS	'MUSTANG 115KV'	300	-0.31327	-0.05803	327
SPS	'HARRINGTON 230KV'	360	-0.37248	SPS	'MADOX 115KV'	118	-0.31476	-0.05772	329
SPS	'HARRINGTON 230KV'	360	-0.37248	SPS	'CUNNINGHAM 115KV'	110	-0.31484	-0.05764	330
SPS	'HARRINGTON 230KV'	360	-0.37248	SPS	'CUNNINGHAM 230KV'	306	-0.31522	-0.05726	332
SPS	'NICHOLS 230KV'	196	-0.3713	SPS	'MUSTG5 118.0 230KV'	160	-0.31414	-0.05716	332

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

SPS	'NICHOLS 230KV'	196	-0.3713	SPS	'MADOX 115KV'	118	-0.31476	-0.05654	336
SPS	'NICHOLS 230KV'	196	-0.3713	SPS	'CUNNINGHAM 230KV'	306	-0.31522	-0.05608	339
SPS	'NICHOLS 115KV'	129.6919	-0.3653	SPS	'MUSTANG 115KV'	300	-0.31327	-0.05203	365
SPS	'NICHOLS 115KV'	129.6919	-0.3653	SPS	'MUSTG5 118.0 230KV'	160	-0.31414	-0.05116	371
WFEC	'BLUCAN14 138 138KV'	151.2	-0.09089	WFEC	'HUGO 138KV'	450	-0.04026	-0.05063	375
SPS	'NICHOLS 115KV'	129.6919	-0.3653	SPS	'CUNNINGHAM 230KV'	306	-0.31522	-0.05008	379
SPS	'HARRINGTON 230KV'	360	-0.37248	SPS	'TOLK 230KV'	1022.91	-0.3226	-0.04988	381
SPS	'NICHOLS 230KV'	196	-0.3713	SPS	'TOLK 230KV'	1022.91	-0.3226	-0.0487	390
SPS	'HARRINGTON 230KV'	360	-0.37248	SPS	'PLANTX 115KV'	205	-0.32502	-0.04746	400
WFEC	'ANADARKO 138KV'	257.431	-0.08684	WFEC	'HUGO 138KV'	450	-0.04026	-0.04658	408
SPS	'NICHOLS 230KV'	196	-0.3713	SPS	'PLANTX 115KV'	205	-0.32502	-0.04628	411
SPS	'HARRINGTON 230KV'	360	-0.37248	SPS	'PLANTX 230KV'	189	-0.32636	-0.04612	412
SPS	'NICHOLS 230KV'	196	-0.3713	SPS	'PLANTX 230KV'	189	-0.32636	-0.04494	423
WFEC	'MORLND 138KV'	320	-0.08343	WFEC	'HUGO 138KV'	450	-0.04026	-0.04317	440
WERE	'LYONS 115KV'	999	-0.00255	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03576	-0.03831	496
WERE	'LYONS 115KV'	999	-0.00255	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03552	-0.03807	499
OKGE	'MUSTANG 138KV'	365.5	-0.05475	OKGE	'AES 161KV'	280	-0.01889	-0.03586	530
WERE	'CLR_3 .575 34KV'	300	0.00148	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03576	-0.03428	554
WERE	'CLR_3 .575 34KV'	300	0.00148	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03552	-0.03404	558
OKGE	'SEMINOLE 138KV'	404.9428	-0.05253	OKGE	'AES 161KV'	280	-0.01889	-0.03364	565
WERE	'EVANS ENERGY CENTER 138KV'	313	0.00283	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03576	-0.03293	577
WERE	'EVANS N4 138 16KV'	360	0.00281	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03576	-0.03295	577
OKGE	'SEMINOLE 345KV'	555.5658	-0.05164	OKGE	'AES 161KV'	280	-0.01889	-0.03275	580
WERE	'EVANS ENERGY CENTER 138KV'	313	0.00283	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03552	-0.03269	581
WERE	'EVANS N4 138 16KV'	360	0.00281	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03552	-0.03271	581
OKGE	'HORSESHOE LAKE 138KV'	380	-0.05138	OKGE	'AES 161KV'	280	-0.01889	-0.03249	585
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.05138	OKGE	'AES 161KV'	280	-0.01889	-0.03249	585
OKGE	'ONE OAK 345KV'	319	-0.05084	OKGE	'AES 161KV'	280	-0.01889	-0.03195	595
AEPW	'KIOWA 345KV'	1348	-0.04714	AEPW	'FLINT CREEK 161KV'	400	-0.01548	-0.03166	600
WERE	'LYONS 115KV'	999	-0.00255	WERE	'LAWRENCE ENERGY CENTER 230KV'	230.1615	0.02844	-0.03099	613

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

Upgrade: Potter - Roosevelt 345KV Displacement
Limiting Facility: POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GEN:51442 1
Flowgate: POTTTRCO2761GEN5144213407SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1162087	6.6	19.2
1162617	0.3	19.2
1162649	4.6	19.2
1162650	0.4	19.2
1162651	0.4	19.2
1162654	0.1	19.2
1162675	5.9	19.2
1165218	0.9	19.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
KACP	'MARSHALL 161KV'	39.1	0.01585	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.20639	93
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	0.01533	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.20691	93
KACP	'CITY OF HIGGINSVILLE 69KV'	36	0.01788	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.20436	94
KACP	'BULL CREEK 161KV'	292.6	0.02031	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.20193	95
KACP	'GRAND AVENUE 161KV'	65	0.02249	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19975	96
KACP	'NORTHEAST 13KV'	56	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	96
KACP	'NORTHEAST 13KV'	56	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	96
KACP	'NORTHEAST 13KV'	58	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	96
KACP	'NORTHEAST 13KV'	59	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	96
KACP	'NORTHEAST 161KV'	55	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	96
KACP	'NORTHEAST 161KV'	58	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	96
KACP	'NORTHEAST 161KV'	58	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	96
KACP	'NORTHEAST 161KV'	58	0.0225	KACP	'SPEARVILLE WIND 34KV'	101	0.22224	-0.19974	96
WEPL	'CLIFTON 115KV'	42.30078	0.05327	WEPL	'JUDSON LARGE 115KV'	109.8414	0.20571	-0.15244	126
WERE	'LYONS 115KV'	999	-0.00276	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.09144	210
WERE	'CLR_3 .575 34KV'	300	0.0012	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.08748	219
WERE	'LATHAM1234.0 345KV'	150	0.0012	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.08748	219
WERE	'EVANS ENERGY CENTER 138KV'	438	0.00261	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.08607	223
WERE	'EVANS N4 138 16KV'	360	0.00259	WERE	'HUTCHINSON ENERGY CENTER 115KV'	75.2537	0.08868	-0.08609	223
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'JONES 230KV'	486	-0.29696	-0.07432	258
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'FLINT CREEK 161KV'	400	-0.01586	-0.07433	258
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'FLINT CREEK 161KV'	400	-0.01586	-0.07433	258
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'NORTHEASTERN STATION 345KV'	608	-0.01961	-0.07058	272
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'NORTHEASTERN STATION 345KV'	608	-0.01961	-0.07058	272
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.02108	-0.06911	278
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.02108	-0.06911	278
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.02108	-0.06911	278
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.02108	-0.06911	278
SPS	'NICHOLS 115KV'	131	-0.36527	SPS	'JONES 230KV'	486	-0.29696	-0.06831	281
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'EASTMAN 138KV'	155	-0.02247	-0.06772	283
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'EASTMAN 138KV'	155	-0.02247	-0.06772	283
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'KNOXLEE 138KV'	103	-0.02231	-0.06788	283
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'KNOXLEE 138KV'	103	-0.02231	-0.06788	283
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'LEBROCK 345KV'	515	-0.02242	-0.06777	283
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'LEBROCK 345KV'	515	-0.02242	-0.06777	283
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02238	-0.06781	283
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'PIRKEY GENERATION 138KV'	440	-0.02238	-0.06781	283
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'WILKES 345KV'	129	-0.02283	-0.06736	285
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'WILKES 345KV'	129	-0.02283	-0.06736	285
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'WILKES 138KV'	108.4181	-0.02316	-0.06703	286
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'WILKES 138KV'	108.4181	-0.02316	-0.06703	286
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'OEC 345KV'	519	-0.02456	-0.06563	292
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'OEC 345KV'	519	-0.02456	-0.06563	292
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'WELSH 345KV'	960	-0.02481	-0.06538	294
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'WELSH 345KV'	960	-0.02481	-0.06538	294
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'RIVERSIDE STATION 138KV'	427	-0.02691	-0.06328	303
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'RIVERSIDE STATION 138KV'	427	-0.02691	-0.06328	303
AEPW	'SOUTHWESTERN STATION 138KV'	280	-0.09019	AEPW	'COGENTRIX 345KV'	504	-0.02703	-0.06316	304
AEPW	'SOUTHWESTERN STATION 138KV'	336	-0.09019	AEPW	'COGENTRIX 345KV'	504	-0.02703	-0.06316	304
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'MUSTANG 115KV'	300	-0.3132	-0.05808	330
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'MUSTG5 118.0 230KV'	160	-0.31408	-0.0572	336
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'MADOX 115KV'	118	-0.3147	-0.05658	339
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'CUNNINGHAM 230KV'	218	-0.31516	-0.05612	342
SPS	'NICHOLS 115KV'	131	-0.36527	SPS	'MUSTANG 115KV'	300	-0.3132	-0.05207	369
SPS	'NICHOLS 115KV'	131	-0.36527	SPS	'MUSTG5 118.0 230KV'	160	-0.31408	-0.05119	375
WFEC	'BLUCAN14 138 138KV'	151.2	-0.09066	WFEC	'HUGO 138KV'	450	-0.04007	-0.05059	379
SPS	'NICHOLS 115KV'	131	-0.36527	SPS	'CUNNINGHAM 230KV'	218	-0.31516	-0.05011	383
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'TOLK 230KV'	1041.992	-0.32254	-0.04874	394
SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'PLANTX 115KV'	194.0776	-0.32497	-0.04631	414

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

SPS	'NICHOLS 230KV'	244	-0.37128	SPS	'PLANTX 230KV'	189	-0.3263	-0.04498	427
WFEC	'MORLND 138KV'	320	-0.08328	WFEC	'HUGO 138KV'	450	-0.04007	-0.04321	444
WERE	'LYONS 115KV'	999	-0.00276	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03545	-0.03821	502
WERE	'LYONS 115KV'	999	-0.00276	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03521	-0.03797	506
OKGE	'MUSTANG 138KV'	365.5	-0.05441	OKGE	'AES 161KV'	320	-0.01876	-0.03565	538
WERE	'CLR_3 .575 34KV'	300	0.0012	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03545	-0.03425	560
WERE	'CLR_3 .575 34KV'	300	0.0012	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03521	-0.03401	564
WERE	'EVANS ENERGY CENTER 138KV'	438	0.00261	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03545	-0.03284	584
WERE	'EVANS N4 138 16KV'	360	0.00259	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03545	-0.03286	584
WERE	'EVANS N4 138 16KV'	360	0.00259	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03521	-0.03262	588
WERE	'EVANS ENERGY CENTER 138KV'	438	0.00261	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03521	-0.0326	589
OKGE	'HORSESHOE LAKE 138KV'	380	-0.05114	OKGE	'AES 161KV'	320	-0.01876	-0.03238	593
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.05114	OKGE	'AES 161KV'	320	-0.01876	-0.03238	593
OKGE	'ONE OAK 345KV'	299	-0.05067	OKGE	'AES 161KV'	320	-0.01876	-0.03191	602
AEPW	'KIOWA 345KV'	1348	-0.04684	AEPW	'FLINT CREEK 161KV'	400	-0.01586	-0.03098	620
WERE	'LYONS 115KV'	999	-0.00276	WERE	'LAWRENCE ENERGY CENTER 230KV'	228.2944	0.02812	-0.03088	622

Maximum Decrement and Maximum Increment were determine from the Souce 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 Displacement
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: ROSEHL1X2741ROSESEHL3X7412207SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1161997	27.9	27.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00262	-0.20842	134
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	-0.00316	-0.20788	134
WERE	'GILL ENERGY CENTER 138KV'	218	-0.20851	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00262	-0.20589	135
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.20584	135
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00487	-0.20617	135
WERE	'GILL ENERGY CENTER 138KV'	218	-0.20851	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	-0.00316	-0.20535	136
WERE	'GILL ENERGY CENTER 138KV'	218	-0.20851	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.20331	137
WERE	'GILL ENERGY CENTER 138KV'	218	-0.20851	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00487	-0.20364	137
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	-0.0075	-0.20354	137
WERE	'GILL ENERGY CENTER 138KV'	218	-0.20851	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	-0.0075	-0.20101	139
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'CHANUTE 69KV'	46.617	-0.01106	-0.19998	139
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.09829	-0.11275	247
WERE	'GILL ENERGY CENTER 138KV'	218	-0.20851	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.09829	-0.11022	253
WERE	'EVANS ENERGY CENTER 138KV'	628	-0.09829	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	-0.00316	-0.09513	293
WERE	'EVANS N4 138 16KV'	360	-0.09764	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	-0.00316	-0.09448	295
WERE	'EVANS ENERGY CENTER 138KV'	628	-0.09829	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00487	-0.09342	298
WERE	'EVANS ENERGY CENTER 138KV'	628	-0.09829	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.09309	299
WERE	'EVANS N4 138 16KV'	360	-0.09764	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00487	-0.09277	300
WERE	'EVANS N4 138 16KV'	360	-0.09764	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.09244	301
WERE	'EVANS ENERGY CENTER 138KV'	628	-0.09829	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	-0.0075	-0.09079	307
WERE	'EVANS N4 138 16KV'	360	-0.09764	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	-0.0075	-0.09014	309
EMDE	'LARUSSEL 161KV'	296	0.00674	EMDE	'ELK RIVER 345KV'	150	0.09043	-0.08369	333
EMDE	'RIVERTON 161KV'	250	0.0071	EMDE	'ELK RIVER 345KV'	150	0.09043	-0.08333	334
EMDE	'STATE LINE 161KV'	134.491	0.00731	EMDE	'ELK RIVER 345KV'	150	0.09043	-0.08312	335
WERE	'PAWNEE 115KV'	999	-0.04115	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00487	-0.03628	768
WERE	'RICE 115KV'	999	-0.04115	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00487	-0.03628	768
WERE	'PAWNEE 115KV'	999	-0.04115	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.03595	775
WERE	'RICE 115KV'	999	-0.04115	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.03595	775

Maximum Decrement and Maximum Increment were determine from the Souce 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 Displacement
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: ROSEHL1X2741ROSESEHL3X7412207SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161997	12.8	12.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.04499	-0.2587	49
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20851	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.04499	-0.2535	50
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.04499	-0.25603	50
WERE	'GETTY 69KV'	35	-0.18752	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.04499	-0.23251	55
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.00262	-0.21109	60
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'CITY OF IOLA 69KV'	24.267	-0.00502	-0.20869	61
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.20851	61
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00487	-0.20884	61
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	-0.00316	-0.21055	61
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.00262	-0.20842	61
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	-0.00316	-0.20788	61
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00941	-0.2043	62
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'CLAY CENTER JUNCTION 115KV'	22.939	-0.00847	-0.20524	62
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.0075	-0.20621	62
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'CITY OF IOLA 69KV'	24.267	-0.00502	-0.20602	62
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.20584	62
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00487	-0.20617	62
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'CHANUTE 69KV'	56.723	-0.01106	-0.20265	63
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'CITY OF ERIE 69KV'	23.27	-0.01106	-0.20265	63
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00941	-0.20163	63
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'CLAY CENTER JUNCTION 115KV'	22.939	-0.00847	-0.20257	63
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.0075	-0.20354	63
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'BPU - CITY OF MCPHERSON 115KV'	60.08545	-0.01406	-0.19965	64
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'KNOLL 3 115 115KV'	25	-0.01551	-0.1982	64
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'CHANUTE 69KV'	56.723	-0.01106	-0.19998	64
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'CITY OF ERIE 69KV'	23.27	-0.01106	-0.19998	64
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01693	-0.19678	65
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'BPU - CITY OF MCPHERSON 115KV'	60.08545	-0.01406	-0.19698	65
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'KNOLL 3 115 115KV'	25	-0.01551	-0.19553	65
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01693	-0.19411	66
WERE	'GETTY 69KV'	35	-0.18752	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.00262	-0.1849	69
WERE	'GETTY 69KV'	35	-0.18752	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	-0.00316	-0.18436	69
WERE	'GETTY 69KV'	35	-0.18752	WERE	'CITY OF IOLA 69KV'	24.267	-0.00502	-0.1825	70
WERE	'GETTY 69KV'	35	-0.18752	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.18232	70

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

WERE	'GETTY 69KV'	35	-0.18752	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00487	-0.18265	70
WERE	'GETTY 69KV'	35	-0.18752	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.0075	-0.18002	71
WERE	'GETTY 69KV'	35	-0.18752	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00941	-0.17811	72
WERE	'GETTY 69KV'	35	-0.18752	WERE	'CHANUTE 69KV'	56.723	-0.01106	-0.17646	72
WERE	'GETTY 69KV'	35	-0.18752	WERE	'BPU - CITY OF MCPHERSON 115KV'	60.08545	-0.01406	-0.17346	74
WERE	'GETTY 69KV'	35	-0.18752	WERE	'KNOLL 3 115 115KV'	25	-0.01551	-0.17201	74
WERE	'GETTY 69KV'	35	-0.18752	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01693	-0.17059	75
WERE	'CITY OF WINFIELD 69KV'	40	-0.21371	WERE	'EVANS ENERGY CENTER 138KV'	340	-0.09829	-0.11542	111
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21104	WERE	'EVANS ENERGY CENTER 138KV'	340	-0.09829	-0.11275	113
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09829	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.00262	-0.09567	133
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09829	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	-0.00316	-0.09513	134
WERE	'EVANS N4 138 16KV'	360	-0.09764	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.00262	-0.09502	134
WERE	'EVANS N4 138 16KV'	360	-0.09764	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	-0.00316	-0.09448	135
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09829	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.09309	137
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09829	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00487	-0.09342	137
WERE	'EVANS N4 138 16KV'	360	-0.09764	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.09244	138
WERE	'EVANS N4 138 16KV'	360	-0.09764	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00487	-0.09277	138
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09829	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.0075	-0.09079	141
WERE	'EVANS N4 138 16KV'	360	-0.09764	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.0075	-0.09014	142
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09829	WERE	'CHANUTE 69KV'	56.723	-0.01106	-0.08723	146
WERE	'EVANS N4 138 16KV'	360	-0.09764	WERE	'CHANUTE 69KV'	56.723	-0.01106	-0.08658	147
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09829	WERE	'BPU - CITY OF MCPHERSON 115KV'	60.08545	-0.01406	-0.08423	151
EMDE	'LARUSSEL 161KV'	189.4315	0.00674	EMDE	'ELK RIVER 345KV'	150	0.09043	-0.08369	152
WERE	'EVANS N4 138 16KV'	360	-0.09764	WERE	'BPU - CITY OF MCPHERSON 115KV'	60.08545	-0.01406	-0.08358	153
EMDE	'RIVERTON 161KV'	216	0.0071	EMDE	'ELK RIVER 345KV'	150	0.09043	-0.08333	153
EMDE	'STATE LINE 161KV'	103	0.00731	EMDE	'ELK RIVER 345KV'	150	0.09043	-0.08312	154
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09829	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01693	-0.08136	157
WERE	'EVANS N4 138 16KV'	360	-0.09764	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01693	-0.08071	158
WERE	'PAWNEE 115KV'	999	-0.04115	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	-0.00316	-0.03799	336
WERE	'RICE 115KV'	999	-0.04115	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	-0.00316	-0.03799	336
WERE	'PAWNEE 115KV'	999	-0.04115	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00487	-0.03628	352
WERE	'RICE 115KV'	999	-0.04115	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00487	-0.03628	352
WERE	'PAWNEE 115KV'	999	-0.04115	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.03595	355
WERE	'RICE 115KV'	999	-0.04115	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.03595	355

Maximum Decrement and Maximum Increment were determine from the Souce 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 Displacement
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: ROSEHL3X2741ROSESEHL1X7412207SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1161997	27.9	27.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00263	-0.2085	134
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	-0.00316	-0.20797	134
WERE	'GILL ENERGY CENTER 138KV'	218	-0.20861	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00263	-0.20598	135
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.20593	135
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00488	-0.20625	135
WERE	'GILL ENERGY CENTER 138KV'	218	-0.20861	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	-0.00316	-0.20545	136
WERE	'GILL ENERGY CENTER 138KV'	218	-0.20861	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.20341	137
WERE	'GILL ENERGY CENTER 138KV'	218	-0.20861	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00488	-0.20373	137
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	-0.0075	-0.20363	137
WERE	'GILL ENERGY CENTER 138KV'	218	-0.20861	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	-0.0075	-0.20111	139
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'CHANUTE 69KV'	46.617	-0.01106	-0.20007	139
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.09834	-0.11279	247
WERE	'GILL ENERGY CENTER 138KV'	218	-0.20861	WERE	'EVANS ENERGY CENTER 138KV'	165	-0.09834	-0.11027	253
WERE	'EVANS ENERGY CENTER 138KV'	628	-0.09834	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	-0.00316	-0.09518	293
WERE	'EVANS N4 138 16KV'	360	-0.09768	WERE	'LAWRENCE ENERGY CENTER 230KV'	239.2385	-0.00316	-0.09452	295
WERE	'EVANS ENERGY CENTER 138KV'	628	-0.09834	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00488	-0.09346	298
WERE	'EVANS ENERGY CENTER 138KV'	628	-0.09834	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.09314	299
WERE	'EVANS N4 138 16KV'	360	-0.09768	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00488	-0.0928	300
WERE	'EVANS N4 138 16KV'	360	-0.09768	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.09248	301
WERE	'EVANS ENERGY CENTER 138KV'	628	-0.09834	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	-0.0075	-0.09084	307
WERE	'EVANS N4 138 16KV'	360	-0.09768	WERE	'TECUMSEH ENERGY CENTER 115KV'	103.7019	-0.0075	-0.09018	309
EMDE	'LARUSSEL 161KV'	296	0.00674	EMDE	'ELK RIVER 345KV'	150	0.09048	-0.08374	333
EMDE	'RIVERTON 161KV'	250	0.0071	EMDE	'ELK RIVER 345KV'	150	0.09048	-0.08338	334
EMDE	'STATE LINE 161KV'	134.491	0.00732	EMDE	'ELK RIVER 345KV'	150	0.09048	-0.08316	335
WERE	'PAWNEE 115KV'	999	-0.04117	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00488	-0.03629	768
WERE	'RICE 115KV'	999	-0.04117	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00488	-0.03629	768
WERE	'PAWNEE 115KV'	999	-0.04117	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.03597	775
WERE	'RICE 115KV'	999	-0.04117	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.03597	775

Maximum Decrement and Maximum Increment were determine from the Souce 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 Displacement
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: ROSEHL3X2741ROSESEHL1X7412207SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161997	12.9	12.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.04501	-0.25882	50
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.20861	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.04501	-0.25362	51
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.04501	-0.25614	51
WERE	'GETTY 69KV'	35	-0.18761	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.04501	-0.23262	56
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.00263	-0.21118	61
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	-0.00316	-0.21065	61
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'CITY OF IOLA 69KV'	24.267	-0.00502	-0.20879	62
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.20861	62
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00488	-0.20893	62
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.00263	-0.2085	62
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	-0.00316	-0.20797	62
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00941	-0.2044	63
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'CLAY CENTER JUNCTION 115KV'	22.939	-0.00848	-0.20533	63
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.0075	-0.20631	63
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'CITY OF IOLA 69KV'	24.267	-0.00502	-0.20611	63
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.20593	63

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

WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00488	-0.20625	63
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'CHANUTE 69KV'	56.723	-0.01106	-0.20275	64
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'CITY OF ERIE 69KV'	23.27	-0.01106	-0.20275	64
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00941	-0.20172	64
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'CLAY CENTER JUNCTION 115KV'	22.939	-0.00848	-0.20265	64
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.0075	-0.20363	64
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'BPU - CITY OF MCPHERSON 115KV'	60.08545	-0.01407	-0.19974	65
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'KNOLL 3 115 115KV'	25	-0.01552	-0.19829	65
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'CHANUTE 69KV'	56.723	-0.01106	-0.20007	65
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'CITY OF ERIE 69KV'	23.27	-0.01106	-0.20007	65
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01694	-0.19687	66
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'BPU - CITY OF MCPHERSON 115KV'	60.08545	-0.01407	-0.19706	66
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'KNOLL 3 115 115KV'	25	-0.01552	-0.19561	66
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01694	-0.19419	67
WERE	'GETTY 69KV'	35	-0.18761	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.00263	-0.18498	70
WERE	'GETTY 69KV'	35	-0.18761	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	-0.00316	-0.18445	70
WERE	'GETTY 69KV'	35	-0.18761	WERE	'CITY OF IOLA 69KV'	24.267	-0.00502	-0.18259	71
WERE	'GETTY 69KV'	35	-0.18761	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.18241	71
WERE	'GETTY 69KV'	35	-0.18761	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00488	-0.18273	71
WERE	'GETTY 69KV'	35	-0.18761	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.0075	-0.18011	72
WERE	'GETTY 69KV'	35	-0.18761	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00941	-0.1782	73
WERE	'GETTY 69KV'	35	-0.18761	WERE	'CHANUTE 69KV'	56.723	-0.01106	-0.17655	73
WERE	'GETTY 69KV'	35	-0.18761	WERE	'BPU - CITY OF MCPHERSON 115KV'	60.08545	-0.01407	-0.17354	75
WERE	'GETTY 69KV'	35	-0.18761	WERE	'KNOLL 3 115 115KV'	25	-0.01552	-0.17209	75
WERE	'GETTY 69KV'	35	-0.18761	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01694	-0.17067	76
WERE	'CITY OF WINFIELD 69KV'	40	-0.21381	WERE	'EVANS ENERGY CENTER 138KV'	340	-0.09834	-0.11547	112
WERE	'GILL ENERGY CENTER 69KV'	118	-0.21113	WERE	'EVANS ENERGY CENTER 138KV'	340	-0.09834	-0.11279	115
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09834	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.00263	-0.09571	135
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09834	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	-0.00316	-0.09518	136
WERE	'EVANS N4 138 16KV'	360	-0.09768	WERE	'LAWRENCE ENERGY CENTER 115KV'	85	-0.00263	-0.09505	136
WERE	'EVANS N4 138 16KV'	360	-0.09768	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	-0.00316	-0.09452	137
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09834	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.09314	139
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09834	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00488	-0.09346	139
WERE	'EVANS N4 138 16KV'	360	-0.09768	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.09248	140
WERE	'EVANS N4 138 16KV'	360	-0.09768	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00488	-0.0928	140
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09834	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.0075	-0.09084	143
WERE	'EVANS N4 138 16KV'	360	-0.09768	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.0075	-0.09018	144
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09834	WERE	'CHANUTE 69KV'	56.723	-0.01106	-0.08728	148
WERE	'EVANS N4 138 16KV'	360	-0.09768	WERE	'CHANUTE 69KV'	56.723	-0.01106	-0.08662	149
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09834	WERE	'BPU - CITY OF MCPHERSON 115KV'	60.08545	-0.01407	-0.08427	154
WERE	'EVANS N4 138 16KV'	360	-0.09768	WERE	'BPU - CITY OF MCPHERSON 115KV'	60.08545	-0.01407	-0.08361	155
EMDE	'LARUSSEL 161KV'	189.4315	0.00674	EMDE	'ELK RIVER 345KV'	150	0.09048	-0.08374	155
EMDE	'RIVERTON 161KV'	216	0.0071	EMDE	'ELK RIVER 345KV'	150	0.09048	-0.08338	155
EMDE	'STATE LINE 161KV'	103	0.00732	EMDE	'ELK RIVER 345KV'	150	0.09048	-0.08316	156
WERE	'EVANS ENERGY CENTER 138KV'	313	-0.09834	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01694	-0.0814	159
WERE	'EVANS N4 138 16KV'	360	-0.09768	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.01694	-0.08074	160
WERE	'PAWNEE 115KV'	999	-0.04117	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	-0.00316	-0.03801	341
WERE	'RICE 115KV'	999	-0.04117	WERE	'LAWRENCE ENERGY CENTER 230KV'	236.1845	-0.00316	-0.03801	341
WERE	'PAWNEE 115KV'	999	-0.04117	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00488	-0.03629	357
WERE	'RICE 115KV'	999	-0.04117	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00488	-0.03629	357
WERE	'PAWNEE 115KV'	999	-0.04117	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.03597	360
WERE	'RICE 115KV'	999	-0.04117	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0052	-0.03597	360

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

Upgrade: SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 Expedite
Limiting Facility: SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2
Flowgate: SWSHV12741SWSSHV27421408SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1158760	4.3	13.0
1158761	4.3	13.0
1162763	1.5	13.0
1162766	1.5	13.0
1162768	1.4	13.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'AEP-CT0613.8 161KV'	320	-0.00208	-0.39108	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'COGENTRIX 345KV'	400	-0.00269	-0.39047	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'COMANCHE 138KV'	160	-0.00394	-0.38922	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'COMANCHE 69KV'	63	-0.00396	-0.3892	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'FITZHUGH 161KV'	101	-0.00081	-0.39235	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'FLINT CREEK 161KV'	428	-0.0021	-0.39106	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'L&D13 69KV'	11	-0.0012	-0.39196	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00244	-0.39072	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.00244	-0.39072	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00244	-0.39072	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'OEC 345KV'	319	-0.00258	-0.39058	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'RIVERSIDE STATION 138KV'	422	-0.0027	-0.39046	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'SLEEPING BEAR 138KV'	80	-0.00347	-0.38969	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'SOUTHWESTERN STATION 138KV'	143	-0.00391	-0.38925	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00391	-0.38925	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'TULSA POWER STATION 138KV'	38	-0.00267	-0.39049	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'WEATHERFORD 34KV'	148	-0.00367	-0.38949	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'WELEETKA 138KV'	84	-0.00348	-0.38968	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'WILKES 345KV'	191	-0.00145	-0.39171	33
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'AEP-CT0613.8 161KV'	320	-0.00208	-0.38962	33
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'COGENTRIX 345KV'	400	-0.00269	-0.38901	33
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'FITZHUGH 161KV'	101	-0.00081	-0.39089	33
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'FLINT CREEK 161KV'	428	-0.0021	-0.3896	33
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'L&D13 69KV'	11	-0.0012	-0.3905	33
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00244	-0.38926	33
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.00244	-0.38926	33
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00244	-0.38926	33
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'OEC 345KV'	319	-0.00258	-0.38912	33
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'RIVERSIDE STATION 138KV'	422	-0.0027	-0.389	33
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'TULSA POWER STATION 138KV'	38	-0.00267	-0.38903	33
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'WILKES 345KV'	191	-0.00145	-0.39025	33
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'NARROWS 69KV'	22	-0.0118	-0.38136	34
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'WELSH 345KV'	1044	-0.00871	-0.38445	34
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'COMANCHE 138KV'	160	-0.00394	-0.38776	34
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'COMANCHE 69KV'	63	-0.00396	-0.38774	34
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'NARROWS 69KV'	22	-0.0118	-0.3799	34
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'SLEEPING BEAR 138KV'	80	-0.00347	-0.38823	34
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00391	-0.38779	34
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'SOUTHWESTERN STATION 138KV'	143	-0.00391	-0.38779	34
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'WEATHERFORD 34KV'	148	-0.00367	-0.38803	34

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

AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'WELEETKA 138KV'	84	-0.00348	-0.38822	34
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'WELSH 345KV'	1044	-0.00871	-0.38299	34
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'WILKES 138KV'	140.8552	-0.03058	-0.36258	36
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'WILKES 138KV'	140.8552	-0.03058	-0.36112	36
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'LEBROCK 345KV'	465	-0.04681	-0.34635	38
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'LEBROCK 345KV'	465	-0.04681	-0.34489	38
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'PIRKEY GENERATION 138KV'	490	-0.07079	-0.32237	40
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'PIRKEY GENERATION 138KV'	490	-0.07079	-0.32091	41
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'EASTMAN 138KV'	355	-0.089	-0.30416	43
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'EASTMAN 138KV'	355	-0.089	-0.3027	43
AEPW	'AH-CC_ST18.0 138KV'	550	-0.39316	AEPW	'KNOXLEE 138KV'	103	-0.10914	-0.28402	46
AEPW	'ARSENAL HILL 69KV'	99	-0.3917	AEPW	'KNOXLEE 138KV'	103	-0.10914	-0.28256	46
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'FITZHUGH 161KV'	101	-0.00081	-0.22364	58
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'WILKES 345KV'	191	-0.00145	-0.223	58
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'AEP-CT0613.8 161KV'	320	-0.00208	-0.22237	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'COGENTRIX 345KV'	400	-0.00269	-0.22176	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'COMANCHE 138KV'	160	-0.00394	-0.22051	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'COMANCHE 69KV'	63	-0.00396	-0.22049	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'FLINT CREEK 161KV'	428	-0.0021	-0.22235	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00244	-0.22201	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.00244	-0.22201	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00244	-0.22201	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'OEC 345KV'	319	-0.00258	-0.22187	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'RIVERSIDE STATION 138KV'	422	-0.0027	-0.22175	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'SLEEPING BEAR 138KV'	80	-0.00347	-0.22098	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'SOUTHWESTERN STATION 138KV'	143	-0.00391	-0.22054	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00391	-0.22054	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'TULSA POWER STATION 138KV'	38	-0.00267	-0.22178	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'WEATHERFORD 34KV'	148	-0.00367	-0.22078	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'WELEETKA 138KV'	84	-0.00348	-0.22097	59
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'WELSH 345KV'	1044	-0.00871	-0.21574	60
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'NARROWS 69KV'	22	-0.0118	-0.21265	61
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'WILKES 138KV'	140.8552	-0.03058	-0.19387	67
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'LEBROCK 345KV'	465	-0.04681	-0.17764	73
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'PIRKEY GENERATION 138KV'	490	-0.07079	-0.15366	85
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'EASTMAN 138KV'	355	-0.089	-0.13545	96
AEPW	'LIEBERMAN 138KV'	202.6699	-0.22445	AEPW	'KNOXLEE 138KV'	103	-0.10914	-0.11531	113
AEPW	'KNOXLEE 138KV'	260	-0.10914	AEPW	'FITZHUGH 161KV'	101	-0.00081	-0.10833	120
AEPW	'KNOXLEE 138KV'	60	-0.10914	AEPW	'FITZHUGH 161KV'	101	-0.00081	-0.10833	120
AEPW	'KNOXLEE 138KV'	260	-0.10914	AEPW	'WILKES 345KV'	191	-0.00145	-0.10769	121
AEPW	'KNOXLEE 138KV'	60	-0.10914	AEPW	'WILKES 345KV'	191	-0.00145	-0.10769	121
AEPW	'KNOXLEE 138KV'	260	-0.10914	AEPW	'AEP-CT0613.8 161KV'	320	-0.00208	-0.10706	122
AEPW	'KNOXLEE 138KV'	60	-0.10914	AEPW	'AEP-CT0613.8 161KV'	320	-0.00208	-0.10706	122
AEPW	'KNOXLEE 138KV'	260	-0.10914	AEPW	'COGENTRIX 345KV'	400	-0.00269	-0.10645	122
AEPW	'KNOXLEE 138KV'	60	-0.10914	AEPW	'COGENTRIX 345KV'	400	-0.00269	-0.10645	122
AEPW	'KNOXLEE 138KV'	260	-0.10914	AEPW	'FLINT CREEK 161KV'	428	-0.0021	-0.10704	122
AEPW	'KNOXLEE 138KV'	60	-0.10914	AEPW	'FLINT CREEK 161KV'	428	-0.0021	-0.10704	122
AEPW	'KNOXLEE 138KV'	260	-0.10914	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00244	-0.1067	122
AEPW	'KNOXLEE 138KV'	260	-0.10914	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.00244	-0.1067	122
AEPW	'KNOXLEE 138KV'	60	-0.10914	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00244	-0.1067	122
AEPW	'KNOXLEE 138KV'	60	-0.10914	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.00244	-0.1067	122
AEPW	'KNOXLEE 138KV'	260	-0.10914	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00244	-0.1067	122
AEPW	'KNOXLEE 138KV'	60	-0.10914	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00244	-0.1067	122
AEPW	'KNOXLEE 138KV'	260	-0.10914	AEPW	'OEC 345KV'	319	-0.00258	-0.10656	122
AEPW	'KNOXLEE 138KV'	60	-0.10914	AEPW	'OEC 345KV'	319	-0.00258	-0.10656	122
AEPW	'KNOXLEE 138KV'	260	-0.10914	AEPW	'RIVERSIDE STATION 138KV'	422	-0.0027	-0.10644	122
AEPW	'KNOXLEE 138KV'	60	-0.10914	AEPW	'RIVERSIDE STATION 138KV'	422	-0.0027	-0.10644	122
AEPW	'KNOXLEE 138KV'	260	-0.10914	AEPW	'SLEEPING BEAR 138KV'	80	-0.00347	-0.10567	123
AEPW	'KNOXLEE 138KV'	60	-0.10914	AEPW	'SLEEPING BEAR 138KV'	80	-0.00347	-0.10567	123
AEPW	'KNOXLEE 138KV'	260	-0.10914	AEPW	'WELEETKA 138KV'	84	-0.00348	-0.10566	123

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

Upgrade: SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 Expedite
Limiting Facility: SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2
Direction: From->To
Line Outage: SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1
Flowgate: SWSHV22742SWSSHV17411408SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1158760	0.4	1.2
1158761	0.4	1.2
1162763	0.2	1.2
1162766	0.2	1.2
1162768	0.2	1.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'AEP-CT0613.8 161KV'	320	-0.00204	-0.38403	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'COGENTRIX 345KV'	400	-0.00264	-0.38343	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'COMANCHE 138KV'	160	-0.00387	-0.3822	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'COMANCHE 69KV'	63	-0.00389	-0.38218	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'FITZHUGH 161KV'	101	-0.00079	-0.38528	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'FLINT CREEK 161KV'	428	-0.00207	-0.384	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'L&D13 69KV'	11	-0.00118	-0.38489	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'NARROWS 69KV'	22	-0.01159	-0.37448	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.0024	-0.38367	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.0024	-0.38367	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00239	-0.38368	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'OEC 345KV'	319	-0.00253	-0.38354	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'RIVERSIDE STATION 138KV'	422	-0.00265	-0.38342	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'SLEEPING BEAR 138KV'	80	-0.00341	-0.38266	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00384	-0.38223	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'SOUTHWESTERN STATION 138KV'	143	-0.00384	-0.38223	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'TULSA POWER STATION 138KV'	38	-0.00262	-0.38345	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'WEATHERFORD 34KV'	148	-0.00361	-0.38246	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'WELEETKA 138KV'	84	-0.00341	-0.38266	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'WELSH 345KV'	1044	-0.00856	-0.37751	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'WILKES 138KV'	140.8552	-0.03002	-0.35605	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'WILKES 345KV'	191	-0.00143	-0.38464	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'AEP-CT0613.8 161KV'	320	-0.00204	-0.3826	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'COGENTRIX 345KV'	400	-0.00264	-0.382	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'COMANCHE 138KV'	160	-0.00387	-0.38077	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'COMANCHE 69KV'	63	-0.00389	-0.38075	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'FITZHUGH 161KV'	101	-0.00079	-0.38385	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'FLINT CREEK 161KV'	428	-0.00207	-0.38257	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'L&D13 69KV'	11	-0.00118	-0.38346	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'NARROWS 69KV'	22	-0.01159	-0.37305	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.0024	-0.38224	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.0024	-0.38224	3

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

AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00239	-0.38225	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'OEC 345KV'	319	-0.00253	-0.38211	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'RIVERSIDE STATION 138KV'	422	-0.00265	-0.38199	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'SLEEPING BEAR 138KV'	80	-0.00341	-0.38123	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'SOUTHWESTERN STATION 138KV'	143	-0.00384	-0.3808	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00384	-0.3808	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'TULSA POWER STATION 138KV'	38	-0.00262	-0.38202	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'WEATHERFORD 34KV'	148	-0.00361	-0.38103	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'WELEETKA 138KV'	84	-0.00341	-0.38123	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'WELSH 345KV'	1044	-0.00856	-0.37608	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'WILKES 138KV'	140.8552	-0.03002	-0.35462	3
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'WILKES 345KV'	191	-0.00143	-0.38321	3
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'EASTMAN 138KV'	355	-0.08739	-0.29868	4
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'KNOXLEE 138KV'	103	-0.10717	-0.2789	4
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'LEBROCK 345KV'	465	-0.04596	-0.34011	4
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'PIRKEY GENERATION 138KV'	490	-0.06951	-0.31656	4
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'EASTMAN 138KV'	355	-0.08739	-0.29725	4
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'KNOXLEE 138KV'	103	-0.10717	-0.27747	4
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'LEBROCK 345KV'	465	-0.04596	-0.33868	4
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'PIRKEY GENERATION 138KV'	490	-0.06951	-0.31513	4
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'AEP-CT0613.8 161KV'	320	-0.00204	-0.21836	5
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'COGENTRIX 345KV'	400	-0.00264	-0.21776	5
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'FITZHUGH 161KV'	101	-0.00079	-0.21961	5
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'FLINT CREEK 161KV'	428	-0.00207	-0.21833	5
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'L&D13 69KV'	11	-0.00118	-0.21922	5
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.0024	-0.218	5
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.0024	-0.218	5
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00239	-0.21801	5
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'OEC 345KV'	319	-0.00253	-0.21787	5
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'RIVERSIDE STATION 138KV'	422	-0.00265	-0.21775	5
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'TULSA POWER STATION 138KV'	38	-0.00262	-0.21778	5
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'WILKES 345KV'	191	-0.00143	-0.21897	5
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'COMANCHE 138KV'	160	-0.00387	-0.21653	6
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'COMANCHE 69KV'	63	-0.00389	-0.21651	6
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'NARROWS 69KV'	22	-0.01159	-0.20881	6
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'SLEEPING BEAR 138KV'	80	-0.00341	-0.21699	6
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00384	-0.21656	6
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'SOUTHWESTERN STATION 138KV'	143	-0.00384	-0.21656	6
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'WEATHERFORD 34KV'	148	-0.00361	-0.21679	6
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'WELEETKA 138KV'	84	-0.00341	-0.21699	6
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'WELSH 345KV'	1044	-0.00856	-0.21184	6
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'WILKES 138KV'	140.8552	-0.03002	-0.19038	6
AEPW	'AH-CC_ST18.0 138KV'	550	-0.38607	AEPW	'LIEBERMAN 138KV'	25.33008	-0.2204	-0.16567	7
AEPW	'ARSENAL HILL 69KV'	99	-0.38464	AEPW	'LIEBERMAN 138KV'	25.33008	-0.2204	-0.16424	7
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'LEBROCK 345KV'	465	-0.04596	-0.17444	7
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'PIRKEY GENERATION 138KV'	490	-0.06951	-0.15089	8
AEPW	'LIEBERMAN 138KV'	202.6699	-0.2204	AEPW	'EASTMAN 138KV'	355	-0.08739	-0.13301	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'AEP-CT0613.8 161KV'	320	-0.00204	-0.13428	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'COGENTRIX 345KV'	400	-0.00264	-0.13368	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'COMANCHE 138KV'	160	-0.00387	-0.13245	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'COMANCHE 69KV'	63	-0.00389	-0.13243	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'FITZHUGH 161KV'	101	-0.00079	-0.13553	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'FLINT CREEK 161KV'	428	-0.00207	-0.13425	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'L&D13 69KV'	11	-0.00118	-0.13514	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.0024	-0.13392	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'NORTHEASTERN STATION 138KV'	377	-0.0024	-0.13392	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00239	-0.13393	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'OEC 345KV'	319	-0.00253	-0.13379	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'RIVERSIDE STATION 138KV'	422	-0.00265	-0.13367	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'SLEEPING BEAR 138KV'	80	-0.00341	-0.13291	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'SOUTHWESTERN STATION 138KV'	143	-0.00384	-0.13248	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'SOUTHWESTERN STATION 138KV'	168	-0.00384	-0.13248	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'TULSA POWER STATION 138KV'	38	-0.00262	-0.1337	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'WEATHERFORD 34KV'	148	-0.00361	-0.13271	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'WELEETKA 138KV'	84	-0.00341	-0.13291	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'WELSH 345KV'	1044	-0.00856	-0.12776	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'WILKES 345KV'	191	-0.00143	-0.13489	9
AEPW	'NORTH MARSHALL 69KV'	5	-0.13632	AEPW	'NARROWS 69KV'	22	-0.01159	-0.12473	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: TUCO INTERCHANGE 230/115KV TRANSFORMER CKT 2
Limiting Facility: TUCO INTERCHANGE 230/115KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: CARLISLE INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1
Flowgate: 515325153315164751533124O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	0.4	0.9
1162675	0.4	0.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'BLACKHAWK 115KV'	220	-0.04686	-0.10551	8
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'CZ 69KV'	39	-0.04333	-0.10904	8
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'HARRINGTON 230KV'	1066	-0.04698	-0.10539	8
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'HUBRCO2 69KV'	11	-0.04686	-0.10551	8
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'MOORE COUNTY 115KV'	48	-0.04775	-0.10462	8
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'NICHOLS 115KV'	147	-0.04739	-0.10498	8
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'NICHOLS 230KV'	147	-0.04673	-0.10564	8
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'SIDRCH 69KV'	20	-0.04686	-0.10551	8
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'STEER WATER 115KV'	8	-0.04541	-0.10696	8
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'WILWIND 230KV'	16	-0.05505	-0.09732	9
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'CAPROCK 115KV'	8	-0.07465	-0.07772	11
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'TOLK 230KV'	1028.422	-0.0727	-0.07967	11
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'PLANTX 230KV'	189	-0.0795	-0.07287	12
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'SAN JUAN 230KV'	12	-0.08085	-0.07152	12
SPS	'PLANTX 115KV'	48	-0.11842	SPS	'BLACKHAWK 115KV'	220	-0.04686	-0.07156	12
SPS	'PLANTX 115KV'	48	-0.11842	SPS	'CZ 69KV'	39	-0.04333	-0.07509	12
SPS	'PLANTX 115KV'	48	-0.11842	SPS	'HARRINGTON 230KV'	1066	-0.04698	-0.07144	12
SPS	'PLANTX 115KV'	48	-0.11842	SPS	'HUBRCO2 69KV'	11	-0.04686	-0.07156	12
SPS	'PLANTX 115KV'	48	-0.11842	SPS	'MOORE COUNTY 115KV'	48	-0.04775	-0.07067	12
SPS	'PLANTX 115KV'	48	-0.11842	SPS	'NICHOLS 115KV'	147	-0.04739	-0.07103	12
SPS	'PLANTX 115KV'	48	-0.11842	SPS	'NICHOLS 230KV'	147	-0.04673	-0.07169	12
SPS	'PLANTX 115KV'	48	-0.11842	SPS	'SIDRCH 69KV'	20	-0.04686	-0.07156	12
SPS	'PLANTX 115KV'	48	-0.11842	SPS	'STEER WATER 115KV'	8	-0.04541	-0.07301	12
SPS	'CUNNINGHAM 115KV'	8.129879	-0.10819	SPS	'CZ 69KV'	39	-0.04333	-0.06486	13
SPS	'MADOX 115KV'	62	-0.10853	SPS	'CZ 69KV'	39	-0.04333	-0.0652	13
SPS	'MUSTG5 118.0 230KV'	150	-0.1122	SPS	'BLACKHAWK 115KV'	220	-0.04686	-0.06534	13
SPS	'MUSTG5 118.0 230KV'	150	-0.1122	SPS	'CZ 69KV'	39	-0.04333	-0.06887	13

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

SPS	'MUSTG5 118.0 230KV'	150	-0.1122	SPS	'HARRINGTON 230KV'	1066	-0.04698	-0.06522	13
SPS	'MUSTG5 118.0 230KV'	150	-0.1122	SPS	'HUBRCO2 69KV'	11	-0.04686	-0.06534	13
SPS	'MUSTG5 118.0 230KV'	150	-0.1122	SPS	'MOORE COUNTY 115KV'	48	-0.04775	-0.06445	13
SPS	'MUSTG5 118.0 230KV'	150	-0.1122	SPS	'NICHOLS 115KV'	147	-0.04739	-0.06481	13
SPS	'MUSTG5 118.0 230KV'	150	-0.1122	SPS	'NICHOLS 230KV'	147	-0.04673	-0.06547	13
SPS	'MUSTG5 118.0 230KV'	150	-0.1122	SPS	'SIDRCH 69KV'	20	-0.04686	-0.06534	13
SPS	'MUSTG5 118.0 230KV'	150	-0.1122	SPS	'STEER WATER 115KV'	8	-0.04541	-0.06679	13
SPS	'CUNNINGHAM 115KV'	8.129879	-0.10819	SPS	'BLACKHAWK 115KV'	220	-0.04686	-0.06133	14
SPS	'CUNNINGHAM 115KV'	8.129879	-0.10819	SPS	'HARRINGTON 230KV'	1066	-0.04698	-0.06121	14
SPS	'CUNNINGHAM 115KV'	8.129879	-0.10819	SPS	'HUBRCO2 69KV'	11	-0.04686	-0.06133	14
SPS	'CUNNINGHAM 115KV'	8.129879	-0.10819	SPS	'MOORE COUNTY 115KV'	48	-0.04775	-0.06044	14
SPS	'CUNNINGHAM 115KV'	8.129879	-0.10819	SPS	'NICHOLS 115KV'	147	-0.04739	-0.0608	14
SPS	'CUNNINGHAM 115KV'	8.129879	-0.10819	SPS	'NICHOLS 230KV'	147	-0.04673	-0.06146	14
SPS	'CUNNINGHAM 115KV'	8.129879	-0.10819	SPS	'SIDRCH 69KV'	20	-0.04686	-0.06133	14
SPS	'CUNNINGHAM 115KV'	8.129879	-0.10819	SPS	'STEER WATER 115KV'	8	-0.04541	-0.06278	14
SPS	'MADOX 115KV'	62	-0.10853	SPS	'BLACKHAWK 115KV'	220	-0.04686	-0.06167	14
SPS	'MADOX 115KV'	62	-0.10853	SPS	'HARRINGTON 230KV'	1066	-0.04698	-0.06155	14
SPS	'MADOX 115KV'	62	-0.10853	SPS	'HUBRCO2 69KV'	11	-0.04686	-0.06167	14
SPS	'MADOX 115KV'	62	-0.10853	SPS	'MOORE COUNTY 115KV'	48	-0.04775	-0.06078	14
SPS	'MADOX 115KV'	62	-0.10853	SPS	'NICHOLS 115KV'	147	-0.04739	-0.06114	14
SPS	'MADOX 115KV'	62	-0.10853	SPS	'NICHOLS 230KV'	147	-0.04673	-0.0618	14
SPS	'MADOX 115KV'	62	-0.10853	SPS	'SIDRCH 69KV'	20	-0.04686	-0.06167	14
SPS	'MADOX 115KV'	62	-0.10853	SPS	'STEER WATER 115KV'	8	-0.04541	-0.06312	14
SPS	'PLANTX 115KV'	48	-0.11842	SPS	'WILWIND 230KV'	16	-0.05505	-0.06337	14
SPS	'MUSTG5 118.0 230KV'	150	-0.1122	SPS	'WILWIND 230KV'	16	-0.05505	-0.05715	15
SPS	'CARLSBAD 69KV'	18	-0.098	SPS	'CZ 69KV'	39	-0.04333	-0.05467	16
SPS	'CUNNINGHAM 115KV'	8.129879	-0.10819	SPS	'WILWIND 230KV'	16	-0.05505	-0.05314	16
SPS	'MADOX 115KV'	62	-0.10853	SPS	'WILWIND 230KV'	16	-0.05505	-0.05348	16
SPS	'CARLSBAD 69KV'	18	-0.098	SPS	'BLACKHAWK 115KV'	220	-0.04686	-0.05114	17
SPS	'CARLSBAD 69KV'	18	-0.098	SPS	'HARRINGTON 230KV'	1066	-0.04698	-0.05102	17
SPS	'CARLSBAD 69KV'	18	-0.098	SPS	'HUBRCO2 69KV'	11	-0.04686	-0.05114	17
SPS	'CARLSBAD 69KV'	18	-0.098	SPS	'MOORE COUNTY 115KV'	48	-0.04775	-0.05025	17
SPS	'CARLSBAD 69KV'	18	-0.098	SPS	'NICHOLS 115KV'	147	-0.04739	-0.05061	17
SPS	'CARLSBAD 69KV'	18	-0.098	SPS	'NICHOLS 230KV'	147	-0.04673	-0.05127	17
SPS	'CARLSBAD 69KV'	18	-0.098	SPS	'SIDRCH 69KV'	20	-0.04686	-0.05114	17
SPS	'CARLSBAD 69KV'	18	-0.098	SPS	'STEER WATER 115KV'	8	-0.04541	-0.05259	17
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'CUNNINGHAM 230KV'	306	-0.10513	-0.04724	18
SPS	'PLANTX 115KV'	48	-0.11842	SPS	'TOLK 230KV'	1028.422	-0.0727	-0.04572	19
SPS	'CARLSBAD 69KV'	18	-0.098	SPS	'WILWIND 230KV'	16	-0.05505	-0.04295	20
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'CUNNINGHAM 115KV'	62.87012	-0.10819	-0.04418	20
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'CUNNINGHAM 115KV'	110	-0.10819	-0.04418	20
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'MADOX 115KV'	131	-0.10853	-0.04384	20
SPS	'PLANTX 115KV'	48	-0.11842	SPS	'CAPROCK 115KV'	8	-0.07465	-0.04377	20
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'MUSTG5 118.0 230KV'	310	-0.1122	-0.04017	22
SPS	'MUSTG5 118.0 230KV'	150	-0.1122	SPS	'TOLK 230KV'	1028.422	-0.0727	-0.0395	22
SPS	'PLANTX 115KV'	48	-0.11842	SPS	'PLANTX 230KV'	189	-0.0795	-0.03892	22
SPS	'MUSTG5 118.0 230KV'	150	-0.1122	SPS	'CAPROCK 115KV'	8	-0.07465	-0.03755	23
SPS	'PLANTX 115KV'	48	-0.11842	SPS	'SAN JUAN 230KV'	12	-0.08085	-0.03757	23
SPS	'CUNNINGHAM 115KV'	8.129879	-0.10819	SPS	'TOLK 230KV'	1028.422	-0.0727	-0.03549	24
SPS	'MADOX 115KV'	62	-0.10853	SPS	'TOLK 230KV'	1028.422	-0.0727	-0.03583	24
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'MUSTANG 115KV'	300	-0.11867	-0.0337	26
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'PLANTX 115KV'	205	-0.11842	-0.03395	26
SPS	'MUSTG5 118.0 230KV'	150	-0.1122	SPS	'PLANTX 230KV'	189	-0.0795	-0.0327	27
SPS	'LP-BRND2 69KV'	152	-0.15237	SPS	'JONES 230KV'	486	-0.12124	-0.03113	28
SPS	'MUSTG5 118.0 230KV'	150	-0.1122	SPS	'SAN JUAN 230KV'	12	-0.08085	-0.03135	28
SPS	'TUCUMCARI 115KV'	15	-0.07465	SPS	'CZ 69KV'	39	-0.04333	-0.03132	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: WAUKOMIS TAP - WOODRING 138KV CKT 1
Limiting Facility: WAUKOMIS TAP - WOODRING 138KV CKT 1
Direction: To->From
Line Outage: FAIRMONT TAP - WOODRING 138KV CKT 1
Flowgate: 5471154714154709547141320 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162087	1.2	7.8
1162617	0.5	7.8
1162675	1.3	7.8
1165215	2.5	7.8
1165218	2.3	7.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'AES 161KV'	320	-0.00041	-0.6033	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'HORSESHOE LAKE 138KV'	380	0.00123	-0.60494	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'HORSESHOE LAKE 138KV'	251.6558	0.00123	-0.60494	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'HORSESHOE LAKE 138KV'	91	0.00123	-0.60494	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'HORSESHOE LAKE 69KV'	16	0.00032	-0.60403	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'MCCLAIN 138KV'	478	-0.00508	-0.59863	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'MUSKOGEE 345KV'	1516	-0.00023	-0.60348	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'MUSTANG 138KV'	365.5	-0.00446	-0.59925	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'MUSTANG 69KV'	106	-0.01455	-0.58916	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'ONE OAK 345KV'	300	0.00763	-0.61134	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'REDBUD 345KV'	350	0.00578	-0.60949	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'SEMINOLE 138KV'	487.511	-0.00043	-0.60328	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'SEMINOLE 345KV'	996	0.00082	-0.60453	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'SMITH COGEN 138KV'	120	-0.00402	-0.59969	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'SOONER 138KV'	505	-0.01325	-0.59046	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'SOONER 345KV'	513	0.01787	-0.62158	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'OMPA-PONCA CITY 69KV'	155.0132	-0.09881	-0.5049	15
WFEC	'MORLND 138KV'	257.4681	-0.3539	WFEC	'HUGO 138KV'	450	-0.00255	-0.35135	22
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'ONE OAK 345KV'	300	0.00763	-0.34934	22
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'REDBUD 345KV'	350	0.00578	-0.34749	22
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'SOONER 345KV'	513	0.01787	-0.35958	22
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'ONE OAK 345KV'	300	0.00763	-0.34735	22
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'SOONER 345KV'	513	0.01787	-0.35759	22
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'AES 161KV'	320	-0.00041	-0.3413	23
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'HORSESHOE LAKE 138KV'	380	0.00123	-0.34294	23
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'HORSESHOE LAKE 138KV'	91	0.00123	-0.34294	23
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'HORSESHOE LAKE 138KV'	251.6558	0.00123	-0.34294	23
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'HORSESHOE LAKE 69KV'	16	0.00032	-0.34203	23
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'MCCLAIN 138KV'	478	-0.00508	-0.33663	23
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'MUSKOGEE 345KV'	1516	-0.00023	-0.34148	23
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'MUSTANG 138KV'	365.5	-0.00446	-0.33725	23
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'SEMINOLE 138KV'	487.511	-0.00043	-0.34128	23
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'SEMINOLE 345KV'	996	0.00082	-0.34253	23
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'SMITH COGEN 138KV'	120	-0.00402	-0.33769	23
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'AES 161KV'	320	-0.00041	-0.33931	23
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'HORSESHOE LAKE 138KV'	251.6558	0.00123	-0.34095	23

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

OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'HORSESHOE LAKE 138KV'	380	0.00123	-0.34095	23
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'HORSESHOE LAKE 138KV'	91	0.00123	-0.34095	23
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'HORSESHOE LAKE 69KV'	16	0.00032	-0.34004	23
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'MCCLAIN 138KV'	478	-0.00508	-0.33464	23
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'MUSKOGEE 345KV'	1516	-0.00023	-0.33949	23
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'MUSTANG 138KV'	365.5	-0.00446	-0.33526	23
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'REDBUD 345KV'	350	0.00578	-0.3455	23
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'SEMINOLE 138KV'	487.511	-0.00043	-0.33929	23
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'SEMINOLE 345KV'	996	0.00082	-0.34054	23
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'SMITH COGEN 138KV'	120	-0.00402	-0.3357	23
WFEC	'MORLND 138KV'	257.4681	-0.3539	WFEC	'ANADARKO 138KV'	272.6245	-0.02757	-0.32633	24
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'MUSTANG 69KV'	106	-0.01455	-0.32716	24
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'SOONER 138KV'	505	-0.01325	-0.32846	24
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'MUSTANG 69KV'	106	-0.01455	-0.32517	24
OKGE	'WOODWARD 24KV'	9.3	-0.33972	OKGE	'SOONER 138KV'	505	-0.01325	-0.32647	24
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	19.7	-0.34171	-0.262	30
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.60371	OKGE	'FPLWND2 34KV'	17.0034	-0.35369	-0.25002	31
OKGE	'OMPA-KINGFISHER BOWMAN 69KV'	18.5	-0.34171	OKGE	'OMPA-PONCA CITY 69KV'	155.0132	-0.09881	-0.2429	32

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

Table 7: Deferred Expansion Plan Projects

Transmission Owner	Upgrade	Solution	Deferred Group	Date Upgrade needed per AG study.	Assigned Upgrade E & C in consideration of deferral	Date Upgrade Needed per Expansion Plan	Expansion Plan E & C Cost
SPS	Mooreland - TUCO 345 kV SPS	New 345 kV line from Tuco to Mooreland on wooden h-frame structures.	1	6/1/2011	$ 46,671,570.15		
WFEC	Mooreland - TUCO 345 kV WFEC	345 kV line Terminal	1	6/1/2011	$ 1,236,047.28		
SPS	Tuco - Tolk 345kV	Build new 345kV line from Tuco to Tolk 2-795 ACSR	1	6/1/2011	$ 12,298,670.46		
WFEC	Mooreland - Potter 345 kV WFEC deferred	345 kV line Terminal	1			6/1/2015	$ 2,500,000
SPS	Mooreland - Potter 345 kV SPS deferred	New 345 kV line from Potter to Mooreland on wooden h-frame structures.	1			6/1/2015	$ 61,850,000
SPS	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2 deferred	New 345/230 kV 560 MVA transformer	1			6/1/2015	$ 8,727,217
Note: Within a deferral group, the expansion plan upgrade(s) that were deferred as a result of a requested upgrade are so noted.							