SPP Southwest Power Pool

Aggregate Facility Study SPP-2006-AG1-AFS-2 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), 1979 MW of long-term transmission service requests have been restudied in this final Aggregate Facility Study (AFS). This phase of the AFS consists of revisions to reflect the withdrawal of requests after the AFS was posted on May 4th, 2006. 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 restudy is $271,695,858. Additionally $ 0 of assigned E & C cost for 3rd party facility upgrades are assignable to the customer. The total upgrade levelized revenue requirement for all transmission requests is $1,034,182,791. This is based on full allocation of levelized revenue requirements for upgrades to customers without consideration of base plan funding . The AFS data tables reflect the full allocation of upgrade costs to customers based on either the requested reservation period, the deferred reservation period without interim redispatch, or the reservation period with interim

redispatch if applicable based on customer intention to pursue redispatch agreements. Total upgrade levelized revenue requirements for all transmission requests after consideration of potential base plan funding is $646,644,144. For those customers who have chosen to pursue redispatch in lieu of deferral of start of service, levelized revenue requirements will be based upon the deferred start date with redispatch. Redispatch was evaluated to provide only interim service during the time frame prior to completion of any assigned network upgrades.

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

The posting of this study will open a 15-day window for Customer response. To complete the request for Transmission Service, the Transmission Provider must leave the OASIS reservation confirmed on OASIS and the Transmission Provider will then follow up with Service Agreements and required letter of credit for facility upgrades. Otherwise, if the customer chooses to withdraw from this Aggregate Transmission Service Study, a request must be made to the Transmission Provider to ANNUL the reservation by June 16th.

For those remaining in the Aggregate Transmission Service Study (ATSS), Service Agreements for each request for service will be tendered in the near future identifying the decision made by the Customer. Service Agreements will be tendered based on full allocation of revenue requirements for facility upgrades assignable to the customer

contingent upon verification of designated resources meeting Attachment J, Section III B criteria for base plan funding.

After receipt of a Service Agreement from the Transmission Provider, the Customer shall have 15 days to execute a Service Agreement or request the filing of an unexecuted Service Agreement or the request will be deemed terminated and withdrawn. Agreements for generation redispatch in lieu of deferral of start of service must be negotiated by the Transmission Customer and generation owner with a copy of the agreement provided to SPP prior to start of transmission 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 final approval 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 commenced on October 1, 2005. All requests for long-term transmission service received prior to February 1, 2006 with a signed study agreement were then included in the third Aggregate Transmission Service Study (ATSS).

Approximately 1979MW of long-term transmission service has been restudied in this Aggregate Facility Study (AFS) with over $271 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. The upgrade levelized revenue requirement includes interest, depreciation, and carrying costs.

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

In the event that the engineering and construction of a previously assigned Network Upgrade may be expedited, with no additional upgrades, to accommodate a new request for Transmission Service, then the levelized present worth of only the incremental expenses though the reservation period of the new request, excluding depreciation, shall be assigned to the new request. These incremental expenses, excluding depreciation, include 1) the levelized difference in present worth of the engineering and construction expenses given the change in date to complete construction to account for additional interest expense and reduced engineering and construction expense due to inflation, 2) the
levelized present worth of all expediting fees, and 3) the levelized present worth of the incremental annual carrying charges, excluding depreciation and interest, during the new reservation period taking into account both a) the reservation in which the project was originally assigned, and b) a reservation, if any, in which the project was previously expedited.

B. Third-Party Facilities

For third-party facilities listed in Table 3 and Table 5, the Transmission Customer is responsible for funding the necessary upgrades of these facilities per Section 21.1 of the Transmission Provider's OATT. In this AFS, 0 third-party facilities were identified. Total

engineering and construction cost estimates for required third-party facility upgrades are $0. The Transmission Provider will undertake reasonable efforts to assist the Transmission Customer in making arrangements for necessary engineering, permitting, and construction of the third-party facilities. Third-party facility upgrade engineering and construction cost estimates are not utilized to determine the present worth value of levelized revenue requirements for SPP system network upgrades.

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

3. Study Methodology

A. Description

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

110% and 90%. The SPS Tuco 230 kV bus voltage is monitored at 92.5% due to pre-determined system stability limitations.

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

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

B. Model Development

SPP used fifteen seasonal models to study the aggregate transfers of 1979 MW over a variety of requested service periods. The SPP MDWG 2006 Series Cases Update 1 2006 Summer Peak (06SP), 2006 Summer Shoulder (06SH), 2006 Fall Peak (06FA), 2006/07 Winter Peak (06WP), 2007 April Minimum (07AP), 2007 Spring Peak (07G), 2007 Summer Peak (07SP), 2007Summer Shoulder (07SH), 2007 Fall Peak (07FA), 2007/08 Winter Peak (07WP), 2008 Summer Peak (08SP), 2008/09 Winter Peak (08WP), 2011 Summer Peak (11SP), 2011/12 Winter Peak (11WP), and 2016 Summer Peak (16SP) were used to study the impact of the requested service on the transmission system.

The Spring Peak models apply to April and May, the Summer Peak models apply to June through September, the Fall Peak models apply to October and November, and the Winter Peak models apply to December through March.

The chosen base case models were modified to reflect the most current modeling information. Four groups of requests were developed from the aggregate of 1979 MW in order to minimize counterflows among requested service. Each request was included in two to four groups depending on the requested path. From the thirteen seasonal models, three system scenarios were developed. Scenario 1 includes SWPP OASIS transmission requests not already included in the SPP 2006 Series Cases flowing in a West to East direction with ERCOT exporting and SPS exporting to outside zones and exporting to the Lamar HVDC Tie. Scenario 2 includes transmission requests not already included in the SPP 2006 Series Cases flowing in an East to West direction with ERCOT net importing and SPS importing from an outside zone and exporting to the Lamar HVDC Tie. Scenario 3 includes transmission requests not already included in the SPP 2006 Series Cases flowing in a West to East direction with ERCOT net importing and SPS importing from an outside zone and importing from the Lamar HVDC Tie. Scenario 4 includes transmission requests not already included in the SPP 2006 Series Cases flowing in a North to South direction with ERCOT importing and SPS importing from outside zones and importing from the Lamar HVDC tie. The system scenarios were developed to minimize counter flows from previously confirmed, higher priority requests not included in the MDWG Base Case.

C. Transfer Analysis

Using the selected cases both with and without the requested transfers modeled, the PSS/E Activity ACCC was run on the cases and compared to determine the facility

overloads caused or impacted by the transfer. Transfer distribution factor cutoffs (SPP and 1st-Tier) and voltage threshold (0.02 change below 0.90 pu) were applied to determine the impacted facilities. The PSS/E options chosen to conduct the analysis can be found in Appendix A.

D. Curtailment and Redispatch Evaluation

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

SPP determined potential relief pairs to relieve the incremental MW impact on limiting facilities as identified in Table 6. Using the selected cases where the limiting facilities were identified, potential incremental and decremental units were identified by determining the generation amount available for increasing and decreasing from the units generation amount, maximum generation amount, and minimum generation amount. If the incremental or decremental amount was greater than 1 MW, the unit was considered

as a potential incremental or decremental unit. Generation shift factors were calculated for the potential incremental and decremental units using Managing and Utilizing System Transmission (MUST). From the generation shift factors for the incremental and decremental units, top 100 relief pairs with a greater than 3% TDF were determined from the incremental units with the lowest generation shift factors and decremental units with highest generation shift factors. The potential relief pairs **were** evaluated to determine impacts on limiting facilities in the SPP and 1st-Tier systems.

4. Study Results

A. Study Analysis Results

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

service for the AFS, Minimum ATC per upgrade with season of impact, Earliest Date Upgrade is required (COD), Estimated Date of Upgrade Completion (EOC), and Estimated E & C cost. Table 5 lists identified Third-Party constrained facilities. Table 6 identifies potential redispatch pairs available to relieve the aggregate impacts on identified constraints to prevent deferral of start of service.

Potential base plan funding allowable is contingent upon meeting each of the conditions for classifying upgrades associated with designated resources as base plan upgrades as defined in Section III.B of Attachment J. The lesser of the planned maximum net dependable capacity or the requested capacity is multiplied by $180,000 to determine potential base plan funding allowable. If this additional capacity exceeds the 125% resource to load criteria for a given year, the value of capacity not exceeding 125% of load will set the determinant for base plan funding consideration. For example, a customer submits a request to add a new resource of 50MW in 2010 that meets all other conditions for base plan funding. The Customer's load forecast for 2010 is 500MW with forecasted firm resources of 600MW. The additional 50MW of resources increases the resource to load ratio from 120% to 130%. Therefore the E & C cost for that portion of the 50MW request not exceeding 125% resource to load, or 25MW, would be compared to the E & C cost for the full 50MW to determine a prorata share of the cost that can be covered by base plan funding. Any allocated customer costs in excess of base plan funding will be assigned to the customer.

Regarding application of base plan funding for PTP requests, if PTP base rate exceeds upgrade revenue requirements without taking into effect the reduction of revenue requirements by potential base plan funding, then the base rate revenue pays back the

Transmission Owner for upgrades and no base plan funding is applicable as the access charge must be paid as it is the higher of "OR" pricing.
However, if initially the upgrade revenue requirements exceed the PTP base rate, then potential base plan funding would be applicable. The test of the higher of "OR" pricing would then be made against the remaining assignable revenue requirements versus PTP base rate. Examples are as follows:

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

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

Example C:

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

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

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

B. Study Definitions

The Commercial Operation Date (COD) is the earliest date the upgrade is required to alleviate a constraint considering all requests. End of Construction (EOC) is the estimated date the upgrade will be completed and in service. The Total Engineering and Construction Cost (E & C) is the upgrade solution cost as determined by the transmission owner. The Transmission Customer Allocation Cost is the estimated engineering and construction cost based upon the allocation of costs to all Transmission Customers in the AFS who positively impact facilities by at least 3% subsequently overloaded by the AFS. Minimum ATC is the portion of the requested capacity that can be accommodated with out upgrading facilities. Annual ATC allocated to the Transmission Customer is determined by the least amount of allocated seasonal ATC within each year of a reservation period.

5. Conclusion

The results of the AFS show that limiting constraints exist in many areas of the regional transmission system. Due to these constraints, transmission service cannot be granted unless noted in Table 3.

The posting of this study will open a 15-day window for Customer response. To complete the request for Transmission Service, the Transmission Provider must leave the OASIS reservation confirmed on OASIS and the Transmission Provider will then follow up with Service Agreements and required letter of credit for facility upgrades. Otherwise, if the customer chooses to withdraw from this Aggregate Transmission Service Study, a request must be made to the Transmission Provider to ANNUL the reservation by June 16th.

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[1]	Deferred Stop Date[1]	Mimimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period
AEPM	AG1-2006-006D	1019914	CSWS	CSWS	168	7/1/2008	7/1/2013			0	08SP
AEPM	AG1-2006-007D	1023236 [1]	WFEC	CSWS	80	1/1/2007	1/1/2027	12/1/2007 [3]	12/1/2027	0	06WP
EDE	AG1-2006-027	1032183	EES	EDE	50	6/1/2010	6/1/2040			0	11SP
GSEC	AG1-2006-094	1034404	SECI	SPS	400	2/1/2011	2/1/2041			0	11SP
GSEC	AG1-2006-095	1034476	CSWS	CSWS	10	8/1/2006	8/1/2036	4/1/2011	4/1/2041	0	06WP
GSEC	AG1-2006-096	1034489	CSWS	CSWS	10	8/1/2006	8/1/2036	4/1/2011	4/1/2041	0	06WP
INDP	AG1-2006-051	1033791	KCPL	INDN	50	6/1/2010	6/1/2040			0	11SP
KCPS	AG1-2006-009	979750	KCPL	KCPL	168	6/1/2009	6/1/2029			0	11SP
KCPS	AG1-2006-070	1034307 [1]	KCPL	EES	103	6/1/2006	6/1/2007			0	06SP
KCPS	AG1-2006-012	1035259 [1]	WPEK	KCPL	101	6/1/2006	6/1/2037			0	06SP
KMEA	AG1-2006-068	1034247	GRDA	WR	1	5/1/2010	5/1/2026	12/1/2010	12/1/2026	0	06SP
KMEA	AG1-2006-089	1034542	KCPL	KCPL	136	6/1/2006	6/1/2016			32	N/A
KMEA	AG1-2006-076	1037591	GRDA	WPEK	1	6/1/2006	6/1/2026	6/1/2009	6/1/2029	0	06SP
KPP	AG1-2006-041	1032990	WR	WR	127	6/1/2006	6/1/2016	12/1/2010	12/1/2020	0	07FA
KPP	AG1-2006-042	1032991	WPEK	WPEK	80	6/1/2006	6/1/2016			0	06SP
MIDW	AG1-2006-082	1034589 [1]	WR	WR	10	1/1/2007	1/1/2012	10/1/2007 [3]	10/1/2012	0	06WP
MIDW	AG1-2006-082	1034590 [1]	WR	WR	25	1/1/2007	1/1/2012	10/1/2007 [3]	10/1/2012	0	06WP
MIDW	AG1-2006-084	1034595 [1]	WR	WR	50	4/1/2007	4/1/2027	10/1/2007 [3]	10/1/2027	0	07SH
NTEC	AG1-2006-062	1037581	CSWS	CSWS	6	6/1/2006	6/1/2018			6	N/A
OGE	AG1-2006-040	1032973 [1]	OKGE	OKGE	120	9/1/2006	9/1/2031	12/1/2007 [3]	12/1/2032	0	06WP
OMPA	AG1-2006-010	977481 [1]	GRDA	OKGE	25	5/1/2007	5/1/2040			0	07FA
UCU	AG1-2006-008D	984053	WR	MPS	178	1/1/2010	1/1/2030	12/1/2010	12/1/2030	0	11SP
UCU	AG1-2006-063D	1034276	WR	MPS	50	6/1/2007	6/1/2027	4/1/2011 [2]	4/1/2031	0	07SP
WRGS	AG1-2006-029D	1031553 [1]	KCPL	AECI	15	6/1/2006	6/1/2007			0	06SH
WRGS	AG1-2006-037D	1032955 [1]	AECI	KCPL	15	6/1/2006	6/1/2007			0	06SP

[1]Start and Stop Dates are determined based on customers choosing option to pursue redispatch to start service at Requested Start and Stop Dates or earliest date possible.

[2]Reservation being deferred due to impact on limitations requiring upgrade of the Wichita - Reno 345kV project.

[3]Disregard Redispatch shown in Table 6 for limitations identified earlier than the start date with redispatch with the exception of limitations identified in the 2006 Summer Shoulder, 2006 Fall Peak, 2007 Spring Peak, 2007 April Minimum, 2007 Summer Shoulder, and 2007 Fall Peak.

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

Customer	Study Number	Reservation	Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	[6] Letter of Credit Amount Required	Potential Base Plan Engineering and Construction Funding Allowable	[7] Total Revenue Requirements for Assigned Upgrades over term of reservation WITHOUT potential base plan funding allocation in consideration of redispatch if applicable	Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation in consideration of redispatch if applicable	Point-to-Point Base Rate over reservation period	[2]Total Cost of Reservation Assignable to Customer contingent upon base plan funding
OMPA	AG1-2006-010	977481	$ 546,215	$ 546,215	$ 546,215	$ 1,852,044	$ -	$ -	Schedule 9 charges
KCPS	AG1-2006-009	979750	$ 4,777,384	$ 4,256,262	$ 4,777,384	$ 14,464,905	$ -	$ -	Schedule 9 charges
UCU	AG1-2006-008D	984053	$ 7,775,739	$ 6,150,401	$ -	$ 30,938,331	$ 30,938,331	$ 68,821,920	$ 68,821,920
AEPM	AG1-2006-006D	1019914	$ 5,903,997	$ 5,213,924	$ 5,903,997	$ 10,900,281	$ -	$ -	Schedule 9 charges
AEPM	AG1-2006-007D	1023236	$ 7,951,815	$ 7,641,888	$ 1,440,000	$ 20,268,199	$ 16,597,816	$ -	$ 16,597,816
WRGS	AG1-2006-029D	1031553	$ -		$ -	$ -	$ -	$ 153,000	$ 153,000
EDE	AG1-2006-027	1032183	$ -		$ -	$ -	$ -	$ -	Schedule 9 charges
WRGS	AG1-2006-037D	1032955	$ 53,881	$ 53,881	$ -	$ 82,142	$ 82,142	$ 158,400	$ 158,400
OGE	AG1-2006-040	1032973	$ 3,963,814	$ 2,807,073	$ 1,440,000	$ 14,212,517	$ 9,049,302	$ -	$ 9,049,302
KPP	AG1-2006-041	1032990	$ 5,000,595	$ 5,027,972 [4]	$ 4,447,765	$ 16,213,221	$ 1,792,418	$ -	$ 1,792,418
KPP	AG1-2006-042	1032991	$ -	$ 42,390 [5]	$ -	$ -	$ -	$ -	Schedule 9 charges
INDP	AG1-2006-051	1033791	$ 1,187,769	$ 1,187,769	$ -	$ 5,102,718	$ 5,102,717	$ 15,840,000	$ 15,840,000
KMEA	AG1-2006-068	1034247	$ 204,652	$ 204,652	$ 180,000	$ 803,560	$ 96,795	$ 249,600	$ 249,600
UCU	AG1-2006-063D	1034276	$ 4,574,105	$ 2,534,362	$ 900,000	$ 17,845,788	$ 14,334,455	$ 19,332,000	$ 19,332,000
KCPS	AG1-2006-070	1034307	$ 472,366	$ 486,015	$ -	$ 720,123	$ 720,123	$ 1,050,600	$ 1,050,600
GSEC	AG1-2006-094	1034404	$ 148,934,125	$ 148,980,779 [1]	$ 72,000,000	$ 640,557,534	$ 330,889,468	$ -	$ 330,889,468
GSEC	AG1-2006-095	1034476	$ 7,270,953	$ 7,360,953	$ -	$ 37,670,633	$ 37,670,633	$ -	$ 37,670,633
GSEC	AG1-2006-096	1034489	$ 7,270,953	$ 7,360,953	$ -	$ 37,670,633	$ 37,670,633	$ -	$ 37,670,633
MIDW	AG1-2006-082	1034589	$ 10,563,209	$ 10,565,239	$ 1,800,000	$ 25,240,832	$ 20,939,725	$ -	$ 20,939,725
MIDW	AG1-2006-082	1034590	$ 26,408,452	$ 26,413,528	$ 4,500,000	$ 63,103,143	$ 52,350,368	$ -	$ 52,350,368
MIDW	AG1-2006-084	1034595	$ 5,002,288	$ 5,002,288	$ 900,000	$ 19,372,855	$ 15,887,336	$ -	$ 15,887,336
KCPS	AG1-2006-012	1035259	$ 22,741,518	$ 22,615,986	$ 1,260,000	$ 73,816,831	$ 69,726,990	$ 28,797,120	$ 69,726,990
NTEC	AG1-2006-062	1037581	$ -	$ -	$ -	$ -	$ -	$ -	Schedule 9 charges
KMEA	AG1-2006-076	1037591	$ 1,092,029	$ 1,130,157	$ 180,000	$ 3,346,498	$ 2,794,892	$ 199,512	$ 2,794,892
			$ 271,695,859		$ 100,275,361	**$ 1,034,182,791**	**$ 646,644,144**		

Note 1. 400MW potential base plan funding for year 2011 for GSEC

Note 2. For PTP requests, total cost is based on the higher of the base rate or assigned upgrade revenue requirements. For Network requests, the total cost is based on the assigned upgrade revenue requirement. Allocation of base plan funding will be determined after verification of designated resource meeting Attachment J, Section II B Criteria. Additionally E & C of 3rd Party upgrades is assignable to Customer. Revenue requirements for 3rd Party facilities are not calculated. Total cost to customer is based on assumption of Revenue Requirements with confirmation of base plan funding. Customer is responsible for negotiating redispatch costs if applicable. Customer is also responsible to pay credits for previously assigned upgrades that are impacted by their request. Credits required will be determined at a later date.

Note 3. 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 4: 177MW potential base plan funding for year 2006 for KPP.
Note 5: 92MW potential base plan funding for year 2008 for KPP WPEK requests.

Note 6: Letter of Credit required for financial security for transmission owner for network upgrades is determined by allocated engineering and construction costs less engineering and construction costs for upgrades when network customer is the transmission owner plus network upgrades for assigned upgrades less that $100,000 which are base plan funded but still require a letter of credit.

Note 7: Revenue Requirements are based upon customer's prior selection of intention to pursue redispatch if applicable.

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

Customer **Study Number**
AEPM AG1-2006-006D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
AEPM	1019914	CSWS	CSWS	168	7/1/2008	7/1/2013			$ 4,048,443	$ -	$ 5,903,997	
									$ 4,048,443	$ -	$ 5,903,997	$ 10,292,312

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1019914	ALUMAX TAP - BANN 138KV CKT 1	6/1/2008	6/1/2008	$ 690,073	$ 1,000,000	$ 1,369,574
	Mooreland - Potter 345 kV SPS	2/1/2011	2/1/2011	$ 2,026,413	$ 61,850,000	$ 3,383,859
	Mooreland - Potter 345 kV WFEC	2/1/2011	2/1/2011	$ 81,908	$ 2,500,000	$ 146,045
	Mooreland 345/138 kV Transformer	2/1/2011	2/1/2011	$ 316,638	$ 5,000,000	$ 564,577
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 361,060	$ 8,727,217	$ -
	Spearville - Mooreland 345 kV SUNC	2/1/2011	2/1/2011	$ 1,447,405	$ 31,000,000	$ 3,079,991
	Spearville - Mooreland 345 kV WFEC	2/1/2011	2/1/2011	$ 980,500	$ 21,000,000	$ 1,748,267
			Total	$ 5,903,997	$ 131,077,217	$ 10,292,312

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

Reservation	Upgrade Name	COD	EOC
1019914	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	6/1/2008
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2013	6/1/2013
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2008
	SNYDER - SNYDER INTERCONNECTION	2/1/2011	2/1/2011

Customer **Study Number**
AEPM AG1-2006-007D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
AEPM	1023236	WFEC	CSWS	80	1/1/2007	1/1/2027	12/1/2007	12/1/2027	$ 1,440,000	$ -	$ 7,966,815	
									$ 1,440,000	$ -	$ 7,966,815	$ 20,268,199

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1023236	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2016	6/1/2016	$ 15,000	$ 15,000	$ -
	ALUMAX TAP - BANN 138KV CKT 1	6/1/2008	6/1/2008	$ 309,927	$ 1,000,000	$ 980,600
	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	6/1/2006	4/1/2007	$ 2,916	$ 120,000	$ 13,505
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	6/1/2006	2/1/2008	$ 18,056	$ 750,000	$ 45,043
	FT SUPPLY - WOODWARD 69KV CKT 1	4/1/2007	2/1/2008	$ 4,500,000	$ 4,500,000	$ 10,516,050
	FT SUPPLY 138/69KV TRANSFORMER CKT 1	12/1/2006	6/1/2008	$ 1,500,000	$ 1,500,000	$ 3,539,286
	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2006	2/1/2008	$ 1,160,573	$ 3,400,000	$ 3,041,694
	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2008	$ 460,343	$ 1,500,000	$ 2,132,021
			Total	$ 7,966,815	$ 12,785,000	$ 20,268,199

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

Reservation	Upgrade Name	COD	EOC
1023236	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	6/1/2008
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2013	6/1/2013
	CASHION CAP BANK	12/1/2006	12/1/2007
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2008

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

Customer **Study Number**
EDE AG1-2006-027

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
EDE	1032183	EES	EDE	50	6/1/2010	6/1/2040			$ -	$ -		
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1032183	None			$ -	$ -	$ -
			Total	$ -	$ -	$ -

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

Reservation	Upgrade Name	COD	EOC
1032183	BULL SHOALS - BULL SHOALS 161KV CKT 1	6/1/2009	6/1/2009
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1	6/1/2013	6/1/2013
	JONES - JONESBORO 161KV CKT 1	6/1/2009	6/1/2009
	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2015	6/1/2015
	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CKT 1	6/1/2010	6/1/2010
	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	6/1/2012	6/1/2012
	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2015	6/1/2015

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

Reservation	Upgrade Name	COD	EOC
1032183	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011
	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2011	6/1/2011

Customer **Study Number**
GSEC AG1-2006-096

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
GSEC	1034489	CSWS	CSWS	10	8/1/2006	8/1/2036	4/1/2011	4/1/2041	$ -	$ -	$ 7,360,953	
									$ -	$ -	$ 7,360,953	$ 28,089,010

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1034489	ALTUS JCT TAP - RUSSELL 138KV CKT 1 WFEC	6/1/2010	6/1/2010	$ 914,223	$ 3,125,000	$ 2,993,114
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	2/1/2011	2/1/2011	$ 10,142	$ 1,515,113	$ 46,081
	ELDORADO - LAKE PAULINE 69KV CKT 1	6/1/2016	6/1/2016	$ 5,000	$ 10,000	$ -
	GSEC Midway Interconnection	6/1/2006	6/1/2006	$ 35,000	$ 70,000	$ -
	GYPSUM - RUSSELL 69KV CKT 1	6/1/2012	6/1/2012	$ 350,000	$ 700,000	$ 1,088,803
	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2006	2/1/2008	$ 82,149	$ 3,400,000	$ 296,882
	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	6/1/2014	6/1/2014	$ 50,000	$ 100,000	$ -
	MIDWAY 69 KV STATCOM	6/1/2006	10/1/2007	$ 1,500,000	$ 3,000,000	$ -
	Mooreland - Potter 345 kV SPS	2/1/2011	2/1/2011	$ 971,066	$ 61,850,000	$ 4,412,128
	Mooreland - Potter 345 kV WFEC	2/1/2011	2/1/2011	$ 39,251	$ 2,500,000	$ 126,341
	Mooreland 345/138 kV Transformer	2/1/2011	2/1/2011	$ 66,797	$ 5,000,000	$ 215,005
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 130,683	$ 8,727,217	$ 86,356
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 19,006	$ 3,200,000	$ -
	Spearville - Mooreland 345 kV SUNC	2/1/2011	2/1/2011	$ 123,683	$ 31,000,000	$ 566,028
	Spearville - Mooreland 345 kV WFEC	2/1/2011	2/1/2011	$ 83,785	$ 21,000,000	$ 269,686
	WEATHERFORD SOUTHEAST (WTH_SE) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010	$ 1,000,000	$ 2,000,000	$ 5,179,081
	WICHITA - RENO CO 345KV	6/1/2006	4/1/2011	$ 1,980,168	$ 42,000,000	$ 12,809,504
			Total	$ 7,360,953	$ 189,197,330	$ 28,089,010

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

Reservation	Upgrade Name	COD	EOC
1034489	Bowers Project	6/1/2010	6/1/2010
	Carter JCT Capcitor	6/1/2011	6/1/2011
	CLINTON CITY - THOMAS TAP 69KV CKT 1	6/1/2016	6/1/2016
	ELK CITY - ELK CITY 69KV CKT 1	12/1/2007	12/1/2007
	NICHOLS STATION 230/115KV TRANSFORMER CKT 1	12/1/2011	12/1/2011
	NICHOLS STATION 230/115KV TRANSFORMER CKT 2	6/1/2015	6/1/2011
	SNYDER - SNYDER INTERCONNECTION	2/1/2011	2/1/2011
	THOMAS TAP - WEATHERFORD 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
1034489	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009

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

Customer **Study Number**
GSEC AG1-2006-095

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
GSEC	1034476	CSWS	CSWS	10	8/1/2006	8/1/2036	4/1/2011	4/1/2041	$ -	$ -	$ 7,360,953	
									$ -	$ -	$ 7,360,953	$ 28,089,010

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1034476	ALTUS JCT TAP - RUSSELL 138KV CKT 1 WFEC	6/1/2010	6/1/2010	$ 914,223	$ 3,125,000	$ 2,993,114
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	2/1/2011	2/1/2011	$ 10,142	$ 1,515,113	$ 46,081
	ELDORADO - LAKE PAULINE 69KV CKT 1	6/1/2016	6/1/2016	$ 5,000	$ 10,000	$ -
	GSEC Midway Interconnection	6/1/2006	6/1/2006	$ 35,000	$ 70,000	$ -
	GYPSUM - RUSSELL 69KV CKT 1	6/1/2012	6/1/2012	$ 350,000	$ 700,000	$ 1,088,803
	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2006	2/1/2008	$ 82,149	$ 3,400,000	$ 296,882
	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	6/1/2014	6/1/2014	$ 50,000	$ 100,000	$ -
	MIDWAY 69 KV STATCOM	6/1/2006	10/1/2007	$ 1,500,000	$ 3,000,000	$ -
	Mooreland - Potter 345 kV SPS	2/1/2011	2/1/2011	$ 971,066	$ 61,850,000	$ 4,412,128
	Mooreland - Potter 345 kV WFEC	2/1/2011	2/1/2011	$ 39,251	$ 2,500,000	$ 126,341
	Mooreland 345/138 kV Transformer	2/1/2011	2/1/2011	$ 66,797	$ 5,000,000	$ 215,005
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 130,683	$ 8,727,217	$ 86,356
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 19,006	$ 3,200,000	$ -
	Spearville - Mooreland 345 kV SUNC	2/1/2011	2/1/2011	$ 123,683	$ 31,000,000	$ 566,028
	Spearville - Mooreland 345 kV WFEC	2/1/2011	2/1/2011	$ 83,785	$ 21,000,000	$ 269,686
	WEATHERFORD SOUTHEAST (WTH_SE) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010	$ 1,000,000	$ 2,000,000	$ 5,179,081
	WICHITA - RENO CO 345KV	6/1/2006	4/1/2011	$ 1,980,168	$ 42,000,000	$ 12,809,504
			Total	$ 7,360,953	$ 189,197,330	$ 28,089,010

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

Reservation	Upgrade Name	COD	EOC
1034476	Bowers Project	6/1/2010	6/1/2010
	Carter JCT Capcitor	6/1/2011	6/1/2011
	CLINTON CITY - THOMAS TAP 69KV CKT 1	6/1/2016	6/1/2016
	ELK CITY - ELK CITY 69KV CKT 1	12/1/2007	12/1/2007
	NICHOLS STATION 230/115KV TRANSFORMER CKT 1	12/1/2011	12/1/2011
	NICHOLS STATION 230/115KV TRANSFORMER CKT 2	6/1/2015	6/1/2011
	SNYDER - SNYDER INTERCONNECTION	2/1/2011	2/1/2011
	THOMAS TAP - WEATHERFORD 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
1034476	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009

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

Customer **Study Number**
GSEC AG1-2006-094

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
GSEC	1034404	SECI	SPS	400	2/1/2011	2/1/2041	2/1/2011	2/1/2041	$ 74,075,397	$ -	$ 148,980,779	
									$ 74,075,397	$ -	$ 148,980,779	$ 464,341,472

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1034404	ALTUS JCT TAP - RUSSELL 138KV CKT 1 WFEC	6/1/2010	6/1/2010	$ 1,296,554	$ 3,125,000	$ 4,215,382
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	2/1/2011	2/1/2011	$ 1,494,360	$ 1,515,113	$ 6,702,173
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	2/1/2007	$ 70,261	$ 153,114	$ 502,866
	LEA COUNTY INTERCHANGE 230KV CAPACITORS	2/1/2011	2/1/2011	$ 1,381,023	$ 1,381,023	$ -
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	10/1/2007	$ 46,654	$ 100,000	$ -
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	6/1/2011	6/1/2011	$ 1,600,815	$ 3,200,000	$ -
	Mooreland - Potter 345 kV SPS	2/1/2011	2/1/2011	$ 54,157,362	$ 61,850,000	$ 242,894,640
	Mooreland - Potter 345 kV WFEC	2/1/2011	2/1/2011	$ 2,189,061	$ 2,500,000	$ 6,997,216
	Mooreland 345/138 kV Transformer	2/1/2011	2/1/2011	$ 2,227,080	$ 5,000,000	$ 7,118,742
	Potter - Roosevelt 345KV	2/1/2011	2/1/2011	$ 36,777,839	$ 38,504,390	$ 33,800,319
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 7,536,338	$ 8,727,217	$ 14,160,487
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 3,157,314	$ 3,200,000	$ -
	Spearville - Mooreland 345 kV SUNC	2/1/2011	2/1/2011	$ 22,085,186	$ 31,000,000	$ 100,127,829
	Spearville - Mooreland 345 kV WFEC	2/1/2011	2/1/2011	$ 14,960,932	$ 21,000,000	$ 47,821,817
			Total	$ 148,980,779	$ 181,255,857	$ 464,341,472

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

Reservation	Upgrade Name	COD	EOC
1034404	Carter JCT Capcitor	6/1/2011	6/1/2011
	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
	MOORE COUNTY INTERCHANGE	12/1/2011	12/1/2011
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2016	6/1/2016
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011

Customer **Study Number**
INDP AG1-2006-051

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
INDP	1033791	KCPL	INDN	50	6/1/2010	6/1/2040			$ -	$ 15,840,000	$ 1,187,769	
									$ -	$ 15,840,000	$ 1,187,769	$ 4,703,241

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1033791	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	6/1/2009	6/1/2009	$ 147,526	$ 1,000,000	$ 764,599
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2009	6/1/2009	$ 280,299	$ 1,900,000	$ -
	JAGGARD JUNCTION - PENTAGON 115KV CKT 1	6/1/2009	6/1/2009	$ 221,289	$ 1,500,000	$ 1,146,898
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2009	$ 538,655	$ 2,400,000	$ 2,791,744
			Total	$ 1,187,769	$ 6,800,000	$ 4,703,241

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

Reservation	Upgrade Name	COD	EOC
1033791	STRANGER CREEK TRANSFORMER CKT 2	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
1033791	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010

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

Customer **Study Number**
KCPS AG1-2006-009

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
KCPS	979750	KCPL	KCPL	168	6/1/2009	6/1/2029			$ 2,715,680	$ -	$ 4,777,384	
									$ 2,715,680	$ -	$ 4,777,384	$ 13,400,735

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
979750	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	6/1/2009	6/1/2009	$ 544,299	$ 1,000,000	$ 2,024,932
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2009	6/1/2009	$ 1,034,169	$ 1,900,000	$ -
	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016	$ 521,122	$ 700,000	$ 1,413,723
	JAGGARD JUNCTION - PENTAGON 115KV CKT 1	6/1/2009	6/1/2009	$ 816,449	$ 1,500,000	$ 3,037,400
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2009	$ 1,861,345	$ 2,400,000	$ 6,924,681
			Total	$ 4,777,384	$ 7,500,000	$ 13,400,735

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

Reservation	Upgrade Name	COD	EOC
979750	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2014	6/1/2014
	STRANGER CREEK TRANSFORMER CKT 2	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
979750	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010

Customer **Study Number**
KCPS AG1-2006-012

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
KCPS	1035259	WPEK	KCPL	101	6/1/2006	6/1/2037			$ 1,260,000	$ 33,063,360	$ 22,794,864	
									$ 1,260,000	$ 33,063,360	$ 22,794,864	$ 66,005,005

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1035259	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	2/1/2008	$ 1,052,676	$ 1,300,000	$ 4,517,686
	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016	$ 178,878	$ 700,000	$ 515,643
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	2/1/2007	$ 82,853	$ 153,114	$ 399,101
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	$ 567,027	$ 2,250,000	$ 1,501,942
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	10/1/2008	$ 2,151,663	$ 4,244,500	$ 9,234,121
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	10/1/2007	$ 53,346	$ 100,000	$ -
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	6/1/2011	6/1/2011	$ 1,353,520	$ 3,200,000	$ -
	Mooreland - Potter 345 kV SPS	2/1/2011	2/1/2011	$ 3,202,574	$ 61,850,000	$ 10,119,237
	Mooreland - Potter 345 kV WFEC	2/1/2011	2/1/2011	$ 129,449	$ 2,500,000	$ 344,085
	Mooreland 345/138 kV Transformer	2/1/2011	2/1/2011	$ 1,806,109	$ 5,000,000	$ 4,800,775
	Potter - Roosevelt 345KV	2/1/2011	2/1/2011	$ 1,544,046	$ 38,504,390	$ 1,379,376
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 436,550	$ 8,727,217	$ 13,125
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 4,154	$ 3,200,000	$ -
	Spearville - Mooreland 345 kV SUNC	2/1/2011	2/1/2011	$ 5,763,026	$ 31,000,000	$ 20,340,072
	Spearville - Mooreland 345 kV WFEC	2/1/2011	2/1/2011	$ 3,903,985	$ 21,000,000	$ 10,377,089
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2007	6/1/2008	$ 565,008	$ 2,750,000	$ 2,462,752
			Total	$ 22,794,864	$ 186,479,221	$ 66,005,005

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

Reservation	Upgrade Name	COD	EOC
1035259	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2014	6/1/2014
	Carter JCT Capcitor	6/1/2011	6/1/2011
	JEC - SWISSVALE 345KV	12/1/2007	12/1/2010
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008
	STRANGER CREEK TRANSFORMER CKT 2	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
1035259	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	St John CAPACITOR	6/1/2008	6/1/2008

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

Customer **Study Number**
KCPS AG1-2006-070

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
KCPS	1034307	KCPL	EES	103	6/1/2006	6/1/2007			$ -	$ 1,050,600	$ 486,015	
									$ -	$ 1,050,600	$ 486,015	$ 720,123

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1034307	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	2/1/2008	$ 472,366	$ 1,605,500	$ 720,123
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	10/1/2007	$ 13,649	$ 50,000	$ -
			Total	$ 486,015	$ 1,655,500	$ 720,123

Customer **Study Number**
KMEA AG1-2006-068

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
KMEA	1034247	GRDA	WR	1	5/1/2010	5/1/2026	12/1/2010	12/1/2026	$ 75,464	$ 249,600	$ 204,652	
									$ 75,464	$ 249,600	$ 204,652	$ 799,812

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1034247	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	2/1/2011	2/1/2011	$ -	$ 1,515,113	$ -
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	$ 180,417	$ 2,900,000	$ 733,991
	Mooreland - Potter 345 kV SPS	2/1/2011	2/1/2011	$ 1,882	$ 61,850,000	$ 5,586
	Mooreland - Potter 345 kV WFEC	2/1/2011	2/1/2011	$ 76	$ 2,500,000	$ 187
	Mooreland 345/138 kV Transformer	2/1/2011	2/1/2011	$ 3,673	$ 5,000,000	$ 9,051
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 1,263	$ 8,727,217	$ -
	Spearville - Mooreland 345 kV SUNC	2/1/2011	2/1/2011	$ 10,338	$ 31,000,000	$ 33,738
	Spearville - Mooreland 345 kV WFEC	2/1/2011	2/1/2011	$ 7,003	$ 21,000,000	$ 17,257
			Total	$ 204,652	$ 134,492,330	$ 799,812

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

Reservation	Upgrade Name	COD	EOC
1034247	Carter JCT Capcitor	6/1/2011	6/1/2011
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009
	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2006	12/1/2008
	JEC - SWISSVALE 345KV	12/1/2007	12/1/2010
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2016	6/1/2016

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

Reservation	Upgrade Name	COD	EOC
1034247	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011

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

Reservation	Upgrade Name	COD	EOC
1034247	AEPW PLANNED UPGRADE FOR NW ARKANSAS	6/1/2006	6/1/2009
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008

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

Customer **Study Number**
KMEA AG1-2006-076

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
KMEA	1037591	GRDA	WPEK	1	6/1/2006	6/1/2026	6/1/2009	6/1/2029	$ 147,976	$ 234,720	$ 1,130,157	
									$ 147,976	$ 234,720	$ 1,130,157	$ 3,343,080

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1037591	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2007	$ 5,518	$ 40,000	$ -
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	10/1/2007	$ 1,007,306	$ 7,520,000	$ 3,094,486
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	2/1/2011	2/1/2011	$ -	$ 1,515,113	$ -
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	$ 52,876	$ 2,900,000	$ 173,965
	Mooreland - Potter 345 kV SPS	2/1/2011	2/1/2011	$ 3,763	$ 61,850,000	$ 8,799
	Mooreland - Potter 345 kV WFEC	2/1/2011	2/1/2011	$ 152	$ 2,500,000	$ 333
	Mooreland 345/138 kV Transformer	2/1/2011	2/1/2011	$ 4,499	$ 5,000,000	$ 9,844
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 1,462	$ 8,727,217	$ -
	Spearville - Mooreland 345 kV SUNC	2/1/2011	2/1/2011	$ 13,098	$ 31,000,000	$ 36,239
	Spearville - Mooreland 345 kV WFEC	2/1/2011	2/1/2011	$ 8,873	$ 21,000,000	$ 19,415
	WASHINGTON 1800 KVAR CAPACITOR	6/1/2006	6/1/2007	$ 32,610	$ 75,000	$ -
			Total	$ 1,130,157	$ 142,127,330	$ 3,343,080

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

Reservation	Upgrade Name	COD	EOC
1037591	Carter JCT Capcitor	6/1/2011	6/1/2011
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009
	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2006	12/1/2008

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

Reservation	Upgrade Name	COD	EOC
1037591	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011

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

Reservation	Upgrade Name	COD	EOC
1037591	AEPW PLANNED UPGRADE FOR NW ARKANSAS	6/1/2006	6/1/2009
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	PHILLIPSBURG - RHOADES 115KV	6/1/2007	6/1/2008

Customer **Study Number**
KPP AG1-2006-042

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
KPP	1032991	WPEK	WPEK	80	6/1/2006	6/1/2016			$ 22,572	$ -	$ 42,390	
									$ 22,572	$ -	$ 42,390	$ -

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1032991	WASHINGTON 1800 KVAR CAPACITOR	6/1/2006	6/1/2007	$ 42,390	$ 75,000	$ -
			Total	$ 42,390	$ 75,000	$ -

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

Reservation	Upgrade Name	COD	EOC
1032991	St John CAPACITOR	6/1/2008	6/1/2008

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

Customer **Study Number**
KPP AG1-2006-041

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
KPP	1032990	WR	WR	127	6/1/2006	6/1/2016	12/1/2010	12/1/2020	$ 3,734,398	$ -	$ 5,027,972	
									$ 3,734,398	$ -	$ 5,027,972	$ 16,213,221

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1032990	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2007	$ 27,377	$ 40,000	$ -
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	10/1/2007	$ 5,000,595	$ 7,520,000	$ 16,213,221
			Total	$ 5,027,972	$ 7,560,000	$ 16,213,221

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

Reservation	Upgrade Name	COD	EOC
1032990	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	12/1/2007	12/1/2010

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

Reservation	Upgrade Name	COD	EOC
1032990	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007

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

Customer **Study Number**
MIDW AG1-2006-082

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
MIDW	1034589	WR	WR	10	1/1/2007	1/1/2012	10/1/2007	10/1/2012	$ 1,800,000	$ -	$ 10,565,239	
MIDW	1034590	WR	WR	25	1/1/2007	1/1/2012	10/1/2007	10/1/2012	$ 4,500,000	$ -	$ 26,413,528	
									$ 6,300,000	$ -	$ 36,978,767	$ 88,237,214

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1034589	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2007	$ 2,030	$ 40,000	$ -
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	10/1/2007	$ 432,069	$ 7,520,000	$ 860,438
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	2/1/2011	2/1/2011	$ 138	$ 1,515,113	$ 217
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1 REDISPATCH	6/1/2007	10/1/2007	$ -	$ -	$ -
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 REDISPATCH	6/1/2007	10/1/2007	$ -	$ -	$ -
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	$ 170,895	$ 2,900,000	$ 389,628
	Mooreland - Potter 345 kV SPS	2/1/2011	2/1/2011	$ 33,555	$ 61,850,000	$ 52,759
	Mooreland - Potter 345 kV WFEC	2/1/2011	2/1/2011	$ 1,356	$ 2,500,000	$ 2,341
	Mooreland 345/138 kV Transformer	2/1/2011	2/1/2011	$ 67,183	$ 5,000,000	$ 115,984
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 19,403	$ 8,727,217	$ -
	Spearville - Mooreland 345 kV SUNC	2/1/2011	2/1/2011	$ 188,846	$ 31,000,000	$ 384,749
	Spearville - Mooreland 345 kV WFEC	2/1/2011	2/1/2011	$ 127,928	$ 21,000,000	$ 220,853
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2007	6/1/2008	$ 82,731	$ 2,750,000	$ 188,323
	WICHITA - RENO CO 345KV	6/1/2006	4/1/2011	$ 9,439,105	$ 42,000,000	$ 22,995,033
			Total	$ 10,565,239	$ 186,802,330	$ 25,210,325
1034590	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2007	$ 5,076	$ 40,000	$ -
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	10/1/2007	$ 1,080,030	$ 7,520,000	$ 2,150,812
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	2/1/2011	2/1/2011	$ 331	$ 1,515,113	$ 520
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1 REDISPATCH	6/1/2007	10/1/2007	$ -	$ -	$ -
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 REDISPATCH	6/1/2007	10/1/2007	$ -	$ -	$ -
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	$ 427,265	$ 2,900,000	$ 974,132
	Mooreland - Potter 345 kV SPS	2/1/2011	2/1/2011	$ 83,967	$ 61,850,000	$ 132,023
	Mooreland - Potter 345 kV WFEC	2/1/2011	2/1/2011	$ 3,394	$ 2,500,000	$ 5,859
	Mooreland 345/138 kV Transformer	2/1/2011	2/1/2011	$ 167,949	$ 5,000,000	$ 289,945
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 48,498	$ 8,727,217	$ -
	Spearville - Mooreland 345 kV SUNC	2/1/2011	2/1/2011	$ 472,115	$ 31,000,000	$ 961,873
	Spearville - Mooreland 345 kV WFEC	2/1/2011	2/1/2011	$ 319,820	$ 21,000,000	$ 552,132
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2007	6/1/2008	$ 206,812	$ 2,750,000	$ 470,771
	WICHITA - RENO CO 345KV	6/1/2006	4/1/2011	$ 23,598,271	$ 42,000,000	$ 57,488,821
			Total	$ 26,413,528	$ 186,802,330	$ 63,026,889

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

Reservation	Upgrade Name	COD	EOC
1034589	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	3/1/2008
	Carter JCT Capcitor	6/1/2011	6/1/2011
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009
	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2009	6/1/2009
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011
	JEC - SWISSVALE 345KV	12/1/2007	12/1/2010
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2009	6/1/2009
1034590	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	3/1/2008
	Carter JCT Capcitor	6/1/2011	6/1/2011
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009
	COUNTY LINE - HOOK JCT 115KV CKT 1	6/1/2011	6/1/2011
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2009	6/1/2009
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2011	6/1/2011
	JEC - SWISSVALE 345KV	12/1/2007	12/1/2010
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2009	6/1/2009

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

Reservation	Upgrade Name	COD	EOC
1034589	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	PHILLIPSBURG - RHOADES 115KV	6/1/2007	6/1/2008
	St John CAPACITOR	6/1/2008	6/1/2008
1034590	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	PHILLIPSBURG - RHOADES 115KV	6/1/2007	6/1/2008
	St John CAPACITOR	6/1/2008	6/1/2008

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

Customer **Study Number**
MIDW AG1-2006-084

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
MIDW	1034595	WR	WR	50	4/1/2007	4/1/2027	10/1/2007	10/1/2027	$ 900,000	$ -	$ 5,002,288	
									$ 900,000	$ -	$ 5,002,288	$ 19,372,855

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1034595	WICHITA - RENO CO 345KV	6/1/2006	4/1/2011	$ 5,002,288	$ 42,000,000	$ 19,372,855
			Total	$ 5,002,288	$ 42,000,000	$ 19,372,855

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

Reservation	Upgrade Name	COD	EOC
1034595	JEC - SWISSVALE 345KV	12/1/2007	12/1/2010
	STRANGER CREEK TRANSFORMER CKT 2	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
1034595	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	PHILLIPSBURG - RHOADES 115KV	6/1/2007	6/1/2008
	St John CAPACITOR	6/1/2008	6/1/2008

Customer **Study Number**
NTEC AG1-2006-062

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
NTEC	1037581	CSWS	CSWS	6	6/1/2006	6/1/2018			$ -	$ -		
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1037581	None			$ -	$ -	$ -
			Total	$ -	$ -	$ -

Customer **Study Number**
OGE AG1-2006-040

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
OGE	1032973	OKGE	OKGE	120	9/1/2006	9/1/2031	12/1/2007	12/1/2032	$ 1,440,000	$ -	$ 3,963,814	
									$ 1,440,000	$ -	$ 3,963,814	$ 14,212,517

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1032973	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	6/1/2006	4/1/2007	$ 117,084	$ 120,000	$ 633,481
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	6/1/2006	2/1/2008	$ 731,944	$ 750,000	$ 1,999,204
	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2006	2/1/2008	$ 2,075,129	$ 3,400,000	$ 5,954,782
	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2008	$ 1,039,657	$ 1,500,000	$ 5,625,050
			Total	$ 3,963,814	$ 5,770,000	$ 14,212,517

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

Reservation	Upgrade Name	COD	EOC
1032973	CASHION CAP BANK	12/1/2006	12/1/2007
	COLONY - FT SMITH 161KV CKT 1	6/1/2011	6/1/2011
	PENNSYLVANIA - WESTMOORE 138KV CKT 1	10/1/2007	6/1/2008

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

Reservation	Upgrade Name	COD	EOC
1032973	IODINE - WOODWARD 138kV CKT 1	6/1/2006	12/1/2006

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

Customer **Study Number**
OMPA AG1-2006-010

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
OMPA	977481	GRDA	OKGE	25	5/1/2007	5/1/2040			$ 389,328	$ -	$ 546,215	
									$ 389,328	$ -	$ 546,215	$ 1,815,938

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
977481	Mooreland - Potter 345 kV SPS	2/1/2011	2/1/2011	$ 120,423	$ 61,850,000	$ 430,196
	Mooreland - Potter 345 kV WFEC	2/1/2011	2/1/2011	$ 4,868	$ 2,500,000	$ 13,919
	Mooreland 345/138 kV Transformer	2/1/2011	2/1/2011	$ 86,119	$ 5,000,000	$ 246,235
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 10,107	$ 8,727,217	$ -
	Spearville - Mooreland 345 kV SUNC	2/1/2011	2/1/2011	$ 193,570	$ 31,000,000	$ 750,662
	Spearville - Mooreland 345 kV WFEC	2/1/2011	2/1/2011	$ 131,128	$ 21,000,000	$ 374,927
			Total	$ 546,215	$ 130,077,217	$ 1,815,938

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

Reservation	Upgrade Name	COD	EOC
977481	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2006	12/1/2008
	PENNSYLVANIA - WESTMOORE 138KV CKT 1	10/1/2007	6/1/2008
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2013	6/1/2013

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

Reservation	Upgrade Name	COD	EOC
977481	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011

Customer **Study Number**
UCU AG1-2006-008D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
UCU	984053	WR	MPS	178	1/1/2010	1/1/2030	12/1/2010	12/1/2030	$ -	$ 68,821,920	$ 7,775,739	
									$ -	$ 68,821,920	$ 7,775,739	$ 30,207,737

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
984053	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	6/1/2009	6/1/2009	$ 308,175	$ 1,000,000	$ 1,278,426
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2009	6/1/2009	$ 585,532	$ 1,900,000	$ -
	JAGGARD JUNCTION - PENTAGON 115KV CKT 1	6/1/2009	6/1/2009	$ 462,262	$ 1,500,000	$ 1,917,637
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	$ 1,964,644	$ 2,900,000	$ 8,961,945
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	$ 1,320,809	$ 2,250,000	$ 3,655,575
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	10/1/2008	$ 1,625,338	$ 4,244,500	$ 7,521,643
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2007	6/1/2008	$ 1,508,979	$ 2,750,000	$ 6,872,512
			Total	$ 7,775,739	$ 16,544,500	$ 30,207,738

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

Reservation	Upgrade Name	COD	EOC
984053	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	3/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009
	EAST 20MVAR CAPACITOR	10/1/2007	12/1/2007
	JEC - SWISSVALE 345KV	12/1/2007	12/1/2010
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008
	STRANGER CREEK TRANSFORMER CKT 2	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
984053	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010

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

Customer **Study Number**
UCU AG1-2006-063D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
UCU	1034276	WR	MPS	50	6/1/2007	6/1/2027	4/1/2011	4/1/2031	$ 900,000	$ 19,332,000	$ 4,610,456	
									$ 900,000	$ 19,332,000	$ 4,610,456	$ 16,605,978

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1034276	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	2/1/2008	$ 247,324	$ 1,300,000	$ 1,177,841
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	2/1/2008	$ 1,079,254	$ 1,605,500	$ 5,036,977
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	10/1/2007	$ 36,351	$ 50,000	$ -
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	$ 103,904	$ 2,900,000	$ 485,507
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	$ 362,164	$ 2,250,000	$ 1,026,753
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	10/1/2008	$ 467,500	$ 4,244,500	$ 2,226,394
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	6/1/2011	6/1/2011	$ 245,665	$ 3,200,000	$ -
	Mooreland - Potter 345 kV SPS	2/1/2011	2/1/2011	$ 277,929	$ 61,850,000	$ 958,352
	Mooreland - Potter 345 kV WFEC	2/1/2011	2/1/2011	$ 11,234	$ 2,500,000	$ 30,275
	Mooreland 345/138 kV Transformer	2/1/2011	2/1/2011	$ 187,157	$ 5,000,000	$ 504,374
	Potter - Roosevelt 345KV	2/1/2011	2/1/2011	$ 182,505	$ 38,504,390	$ 176,440
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 51,169	$ 8,727,217	$ 1,790
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	2/1/2011	2/1/2011	$ 519	$ 3,200,000	$ -
	Spearville - Mooreland 345 kV SUNC	2/1/2011	2/1/2011	$ 579,051	$ 31,000,000	$ 2,121,174
	Spearville - Mooreland 345 kV WFEC	2/1/2011	2/1/2011	$ 392,260	$ 21,000,000	$ 1,057,111
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2007	6/1/2008	$ 386,470	$ 2,750,000	$ 1,802,990
			Total	$ 4,610,456	$ 190,081,607	$ 16,605,978

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
1034276	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	3/1/2008
	ANACONDA - FREEMAN 69KV CKT 1	6/1/2007	6/1/2008
	ANACONDA - HARRISONVILLE WEST 69KV CKT 1	6/1/2008	6/1/2008
	Carter JCT Capcitor	6/1/2011	6/1/2011
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009
	EAST 20MVAR CAPACITOR	10/1/2007	12/1/2007
	JEC - SWISSVALE 345KV	12/1/2007	12/1/2010
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2007	6/1/2008
	STRANGER CREEK TRANSFORMER CKT 2	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
1034276	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	PHILLIPSBURG - RHOADES 115KV	6/1/2007	6/1/2008

Customer **Study Number**
WRGS AG1-2006-037D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocate E & C Cost	Total Revenue Requirements
WRGS	1032955	AECI	KCPL	15	6/1/2006	6/1/2007			$ -	$ 158,400	$ 53,881	
									$ -	$ 158,400	$ 53,881	$ 82,142

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1032955	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	2/1/2008	$ 53,881	$ 1,605,500	$ 82,142
			Total	$ 53,881	$ 1,605,500	$ 82,142

Customer **Study Number**
WRGS AG1-2006-029D

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

Reservation	Upgrade Name	COD	EOC	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1031553	None			$ -	$ -	$ -
			Total	$ -	$ -	$ -

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

Reservation	Upgrade Name	COD	EOC
1031553	SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1 REDISPATCH	6/1/2006	10/1/2006

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

Transmission Owner	Upgrade	Solution	Minimum ATC per Upgrade (MW)	Season of Minimum Allocated ATC	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	Reset Relays @ 36th & Lewis	182	16SP	6/1/2016	6/1/2016	$ 15,000
AEPW	ALUMAX TAP - BANN 138KV CKT 1	Replace six (6) 138 kV switches, five at Bann & one at Alumax Tap. Rebuild 0.67 miles of 1024 ACAR with 2156 ACSR. Replace wavetrap & jumpers @ Bann. Replace breaker 3300 @ Bann.	0	11SP	6/1/2008	6/1/2008	$ 1,000,000
AEPW	ELDORADO - LAKE PAULINE 69KV CKT 1	Reset CTs @ Lake Pauline	11	16SP	6/1/2016	6/1/2016	$ 10,000
AEPW	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	Replace Hobart Jct. Wavetrap	0	16SP	6/1/2014	6/1/2014	$ 100,000
AEPW	WEATHERFORD SOUTHEAST (WTH_SE) 138/69/13.8KV TRANSFORMER CKT 1	Install new 90 MVA Auto	0	11SP	6/1/2010	6/1/2010	$ 2,000,000
KACP	COLLEGE - CRAIG 161KV CKT 1	Reconductor 4 miles with 1192.5 ACSS, 558 normal/emergency rating and upgrade breaker.	261	16SP	6/1/2016	6/1/2016	$ 700,000
MIPU	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	Conductor	0	07SP	6/1/2006	2/1/2008	$ 1,300,000
MIPU	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	Conductor	0	08SP	6/1/2006	2/1/2008	$ 1,605,500
MIPU	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	Wave Trap	0	08SP	6/1/2006	10/1/2007	$ 50,000
MIPU	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	Upgrade to bundled 795 26/7 ACSR conductor	0	07SP	6/1/2006	10/1/2008	$ 4,244,500
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.	54	06FA	6/1/2006	4/1/2007	$ 120,000
OKGE	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	Replace bus tie with 100MVA transformer	85	08SP	6/1/2006	6/1/2008	$ 1,500,000
SPS	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2	Upgrade Roosevelt to Curry 115 kV circuit w/795 ACSR	0	16SP	2/1/2011	2/1/2011	$ 1,515,113
SPS	Greenbelt EC Midway Interconnection	New Delivery Point tapping 69 kV Tie Line from AEPW Shamrock to SPS Magic City	0	11SP	6/1/2006	10/1/2006	$ 70,000
SPS	LEA COUNTY INTERCHANGE 230KV CAPACITORS	Install 2 - 50 MVar capacitor banks on the 230 kV bus at Lea County Interchange	0	11WP	2/1/2011	2/1/2011	$ 1,381,023
SPS	MIDWAY 69 KV STATCOM AND CAPACITOR	Install 8 MVAR STATCOM with 5 MVAR Dual Capacitors at Greenbelt EC Midway 69 KV, 69 KV Bus to be constructed by Greenbelt EC	1	07G	6/1/2006	10/1/2007	$ 3,000,000
SPS	Mooreland - Potter 345 kV SPS	New 345 kV line from Potter to Mooreland on wooden h-frame structures.	0	16SP	2/1/2011	2/1/2011	$ 61,850,000
SPS	Potter - Roosevelt 345KV	New 345 kV circuit from Potter - Roosevelt 2-795 ACSR & 345/230 kV 560 MVA transformer	0	16SP	2/1/2011	2/1/2011	$ 38,504,390
SPS	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	New 345/230 kV 560 MVA transformer	0	16SP	2/1/2011	2/1/2011	$ 8,727,217
SPS	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	Add 2nd transformer 230/115 kV 252 MVA	0	16SP	2/1/2011	2/1/2011	$ 3,200,000
SUNC	Spearville - Mooreland 345 kV SUNC	New 345 kV line from Spearville to Kansas/Oklahoma Stateline	0	16SP	2/1/2011	2/1/2011	$ 31,000,000
WEPL	CLAY CENTER - GREENLEAF 115KV CKT 1	Building a new 115 kV tie with Westar from Greenleaf to Clay Center	0	07SH	6/1/2007	10/1/2007	$ 7,520,000
WEPL	GREENSBURG - JUDSON LARGE 115KV CKT 1	Replace relaying	0	08WP	6/1/2006	2/1/2007	$ 153,114
WEPL	MEDICINE LODGE - SUN CITY 115KV CKT 1	Upgrade CTs and Wave Trap Limits	48	08SP	6/1/2007	10/1/2007	$ 100,000
WEPL	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	Upgrade to 100MVA transformer	405	11SP	6/1/2011	6/1/2011	$ 3,200,000
WEPL	WASHINGTON 1800 KVAR CAPACITOR	Install 1800 kVar outside the city of Washington sub	0	06SP	6/1/2006	6/1/2007	$ 75,000
WERE	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	Tear down and rebuild 3.66 mile 166-Jaggard 115 kV line.	0	11WP	6/1/2009	6/1/2009	$ 1,000,000
WERE	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	Tear down and rebuild 7.22 mile Jarbalo-166 115 kV line.	0	11SP	6/1/2009	6/1/2009	$ 1,900,000
WERE	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	Reset terminal equipment	0	07SH	6/1/2007	6/1/2007	$ 40,000
WERE	JAGGARD JUNCTION - PENTAGON 115KV CKT 1	Tear down and rebuild Jaggard - Pentagon 115 kV line.	0	11SP	6/1/2009	6/1/2009	$ 1,500,000
WERE	KELLY - KING HILL N.M. COOP 115KV CKT 1	Reconductor 9.61 mile line with 1192.5 kcmil ACSR and replace CTs.	0	07WP	10/1/2006	6/1/2009	$ 2,900,000
WERE	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	Install second Lawrence Hill 230-115 kV transformer.	0	16SP	6/1/2016	6/1/2016	$ 2,250,000
WERE	STRANGER CREEK - NW LEAVENWORTH 115KV	Teardown/rebuild Jarbalo-NW Leavenworth 115 kV line with double circuit tap to Stranger Creek	0	11SP	6/1/2009	6/1/2009	$ 2,400,000
WERE	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	Tear down and rebuild 9.84 mile Tecumseh Hill-Stull Tap 115 kV line.	0	08SP	6/1/2007	6/1/2008	$ 2,750,000
WERE	WICHITA - RENO CO 345KV	Build 345kV from Wichita to Reno Co	0	06SH	6/1/2006	4/1/2011	$ 42,000,000
WFEC	ALTUS JCT TAP - RUSSELL 138KV CKT 1 WFEC	Reconductor 12.5 miles from 336 to 795 ACSR	238	16SP	6/1/2010	6/1/2010	$ 3,125,000
WFEC	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	Upgrade terminal equipment FPL Sw & Mooreland	54	06FA	6/1/2006	2/1/2008	$ 750,000
WFEC	FT SUPPLY - WOODWARD 69KV CKT 1	Reconductor 18.0 miles from 336 to 795 ACSR	77	07AP	4/1/2007	2/1/2008	$ 4,500,000
WFEC	FT SUPPLY 138/69KV TRANSFORMER CKT 1	Install 2nd 70 MVA auto at Ft Supply	58	07AP	12/1/2006	6/1/2008	$ 1,500,000
WFEC	GYPSUM - RUSSELL 69KV CKT 1	Reconductor 1/0 to 336 ACSR - 3.1 miles	0	16SP	6/1/2012	6/1/2012	$ 700,000
WFEC	HAMON BUTLER - MOREWOOD 69KV CKT 1	Reconductor 1/0 to 336 ACSR - 15.0 miles	0	16SP	6/1/2006	2/1/2008	$ 3,400,000
WFEC	Mooreland - Potter 345 kV WFEC	345 kV line Terminal	0	16SP	2/1/2011	2/1/2011	$ 2,500,000
WFEC	Mooreland 345/138 kV Transformer	New Mooreland 345/138 kV Transformer	0	16SP	2/1/2011	2/1/2011	$ 5,000,000
WFEC	Spearville - Mooreland 345 kV WFEC	New 345 kV line from Kansas/Oklahoma Stateline to Mooreland	0	16SP	2/1/2011	2/1/2011	$ 21,000,000

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

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

Transmission Owner	Upgrade	Solution	Minimum ATC per Upgrade (MW)	Season of Minimum Allocated ATC	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	AEPW PLANNED UPGRADE FOR NW ARKANSAS	NW Project phase II scheduled to be in-service 06/2009	0	06SP	6/1/2006	6/1/2009
KACP	LACYGNE-PAOLA-WEST GARDER 345KV	New 345/161kV transformer and 345kV line tapping LaCyne - West Gardner 345kV	79	07SH	6/1/2007	6/1/2008
MIDW	PHILLIPSBURG - RHOADES 115KV	New 115 kV Line	82	07SP	6/1/2007	6/1/2008
MIDW	St John CAPACITOR	MIDW St. John Capacitors (2008 Summer)	221	08SP	6/1/2008	6/1/2008
MIPU	IATAN - ST JOE 345KV CKT 1	Circuit Breaker	400	11WP	12/1/2011	4/1/2007
MIPU	IATAN5 161 - PLATTE CITY 161KV CKT 1	Terminal Equipment	0	11WP	6/1/2010	6/1/2010
OKGE	IODINE - WOODWARD 138kV CKT 1	New line will be in service by 12/1/2006	37	06FA	6/1/2006	12/1/2006
WERE	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	Rebuild 5.73 mile Weaver-Rose Hill Junction as a 138 kV line but operate at 69 kV.	45	06SH	6/1/2006	6/1/2007

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

Transmission Owner	Upgrade	Solution	Minimum ATC per Upgrade (MW)	Season of Minimum Allocated ATC	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	Rebuild 1.68 miles of 1024 ACAR with 2156 ACSR, Replace wavetrap & jumpers with 2156 ACSR. Replace Switch 2285 @ Alumax Tap.	0	07SP	6/1/2007	6/1/2008
AEPW	BANN - NW TEXARKANA-BANN T 138KV CKT 1	Reset Relays	0	16SP	6/1/2013	6/1/2013
AEPW	CLINTON CITY - THOMAS TAP 69KV CKT 1	Rebuild 13.68 miles of 4/0 ACSR with 795 ACSR	0	16SP	6/1/2016	6/1/2016
AEPW	ELK CITY - ELK CITY 69KV CKT 1	Replace CTS & jumpers	0	07WP	12/1/2007	12/1/2007
AEPW	LINWOOD - MCWILLIE STREET 138KV CKT 1	Rebuild 2.09 miles of 666 ACSR with 1272 ACSR	0	07SP	6/1/2007	6/1/2008
AEPW	SNYDER - SNYDER INTERCONNECTION	New Tie line between AEPW's Snyder and WFEC's Snyder	0	16SP	2/1/2011	2/1/2011
EMDE	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1	Replace Jumpers to breaker #6950 at Blackhawk Jct.	0	16SP	6/1/2013	6/1/2013
EMDE	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1	Installl new 161/12 kV 22.4 transmer and take load off 69 kV system	0	16SP	6/1/2015	6/1/2015
EMDE	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1	Replace 75 MVA Auto-xfmr at Oronogo Jct with 150 MVA Auto-xfmr and install 69 kV bank breaker. Auto-xfmr will have an impedance similar to Aurora 59468, 59537, 59704.	0	16SP	6/1/2015	6/1/2015
EMDE	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CKT 1	Change CT Ratio on breaker #6936 at Aurora #124	0	11SP	6/1/2010	6/1/2010
EMDE	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	Replace 600 amp disconnects and leads to breaker #6965 at Joplin #64	0	16SP	6/1/2012	6/1/2012
EMDE	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	Replace 75 MVA Auto-xfmr at Joplin SW with 150 MVA Auto-xfmr and install 69 kV bank breaker. Auto-xfmr will have an impedance similar to Aurora 59468, 59537, 59704.	0	16SP	6/1/2015	6/1/2015
GRDA	GRAY TAP - PENSACOLA 69KV CKT 1	Rebuild of Pensacola - Jayline (not owned by GRDA -- have tried to convince owner)	0	06SP	6/1/2006	12/1/2008
KACP	AVONDALE - GLADSTONE 161KV CKT 1	Replace 800 amp wavetrap at Gladstone with 1200 amp wavetrap	0	16SP	6/1/2014	6/1/2014
KACP	SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1 REDISPATCH		0	06SH	6/1/2006	10/1/2006
MIPU	ANACONDA - FREEMAN 69KV CKT 1	Conductor	0	08SP	6/1/2007	6/1/2008
MIPU	ANACONDA - HARRISONVILLE WEST 69KV CKT 1	Conductor	0	08SP	6/1/2008	6/1/2008
MIPU	EAST 20MVAR CAPACITOR		44	07FA	10/1/2007	12/1/2007
OKGE	COLONY - FT SMITH 161KV CKT 1	Reconductor 2.2 miles to Drake ACCC/TW and change terminal equipment at Ft. Smith & Colony to 2000A.	0	11SP	6/1/2011	6/1/2011
OKGE	PENNSYLVANIA - WESTMOORE 138KV CKT 1	Replace the disconnect switches for breaker 108 at Pennsylvania Substation. Replace the 1200A trap. Increase CTR. Relay replacement may be required.	0	07FA	10/1/2007	6/1/2008
SPS	Bowers Project	Tap Elk City - Grapevine. New line from Stateline Tap to Graves Co. New 115/69xfmr at Graves Co.	0	11SP	6/1/2010	6/1/2010
SPS	COX INTERCHANGE - LH-COX3 115KV CKT 1	Rebuild Cox-LHCox 115 kV circuit w/397 ACSR	0	16SP	6/1/2016	6/1/2016
SPS	HALE CO INTERCHANGE - LH-COX3 115KV CKT 1	Rebuild Hale - LHCox 115 kV circuit w/397 ACSR	0	16SP	6/1/2016	6/1/2016
SPS	MOORE COUNTY INTERCHANGE	Add 2nd 230 kV circuit and 2nd 230/115 kV transformer at Moore. 230 kV construction using 795 ACSR.	0	11WP	12/1/2011	12/1/2011
SPS	NICHOLS STATION 230/115KV TRANSFORMER CKT 1	Upgrade 230/115 kV Transformer with 252 MVA	0	16SP	12/1/2011	12/1/2011
SPS	NICHOLS STATION 230/115KV TRANSFORMER CKT 2	Upgrade 230/115 kV Transformer with 252 MVA	0	11WP	6/1/2015	6/1/2011
SPS	THOMAS TAP - WEATHERFORD 69KV CKT 1	Rebuild 0.9 miles of 4/0 ACSR with 795 ACSR. Replace Weatherford wavetrap.	0	11SP	6/1/2011	6/1/2011
SPS	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	Upgrade Transformer 230/115 kV 252 MVA	0	11SP	6/1/2011	6/1/2011
SWPA	BULL SHOALS - BULL SHOALS 161KV CKT 1	Replace bus at Bull Shoals.	0	11SP	6/1/2009	6/1/2009
SWPA	JONES - JONESBORO 161KV CKT 1	Change the ratio on the metering CTs to 1200/5 and adjust the meters	0	11SP	6/1/2009	6/1/2009
WERE	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	Rebuild 7.61 miles from 95th & Waverly-Captain Junction 115 kV line.	0	16SP	12/1/2007	3/1/2008
WERE	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	Rebuild 16.66 mile Circleville-Hoyt HTI Junction 115 kV line.	0	07WP	10/1/2006	6/1/2009
WERE	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	Rebuild 15.15 mile line with 1192.5 kcmil ACSR and replace CTs	0	06FA	10/1/2006	6/1/2009
WERE	COUNTY LINE - HOOK JCT 115KV CKT 1	Rebuild 2.52 mile line with 1192.5 kcmil ACSR	0	11SP	6/1/2011	6/1/2011
WERE	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 1.53-mile Co-op-Wakarusa 115 kV line.	0	11SP	6/1/2009	6/1/2009
WERE	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	Replace wave traps on TEC-County Line 115 kV line.	0	11SP	6/1/2011	6/1/2011
WERE	JEC - SWISSVALE 345KV	Construct JEC-Swissvale 345 kV line.	0	07SP	12/1/2007	12/1/2010
WERE	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	Tear down and rebuild 6.40 mile Mockingbird-Stull Tap 115 kV line.	0	07FA	10/1/2007	6/1/2008
WERE	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	Add third 345-138 kV transformer at Rose Hill	0	16SP	6/1/2013	6/1/2013
WERE	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 4.09 mile SW Lawrence-Wakarusa 115 kV line	0	11SP	6/1/2009	6/1/2009
WERE	STRANGER CREEK TRANSFORMER CKT 2	Install 2nd Xfmr	595	16SP	6/1/2016	6/1/2016
WFEC	Carter JCT Capcitor	Increase 6 to 24 MVAR at Carter JCT	8	16SP	6/1/2011	6/1/2011
WFEC	CASHION CAP BANK	Install 12MVAR Cap Bank at Cashion	0	06WP	12/1/2006	12/1/2007
WFEC	SNYDER - SNYDER INTERCONNECTION	New Tie line between AEPW's Snyder and WFEC's Snyder	0	16SP	2/1/2011	2/1/2011

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	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
EMDE	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	Reconductor Oronogo 59467 to Riverton 59469 with Bundled 556 ACSR	6/1/2011	6/1/2011
EMDE	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1	Installl new 161/12 kV 22.4 transmer and take load off 69 kV system	6/1/2011	6/1/2011
EMDE	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1	Replace 75 MVA Auto-xfmr at Oronogo Jct with 150 MVA Auto-xfmr and install 69 kV bank breaker. Auto-xfmr will have an impedance similar to Aurora 59468, 59537, 59704.	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
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

Table 5 - Third Party Facility Constraints

Transmission Owner	Upgrade	Solution	Minimum ATC per Upgrade (MW)	Season of Minimum Allocated ATC	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
	None						

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

Upgrade: ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1
Limiting Facility: ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1
Direction: To->From
Line Outage: SPP-AEPW-29
Flowgate: 53245533001SPPAEPW291107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	2.9	2.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'COMANCHE 138KV'	160	0.01243	-0.1	29
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'COMANCHE 69KV'	63	0.01238	-0.09995	29
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'SOUTHWESTERN STATION 138KV'	327	0.01211	-0.09968	29
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'WELSH 345KV'	990	0.01229	-0.09986	29
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'COGENTRIX 345KV'	665	0.00881	-0.09638	30
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00806	-0.09563	30
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00806	-0.09563	30
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00806	-0.09563	30
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'RIVERSIDE STATION 138KV'	646	0.00877	-0.09634	30
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'TULSA POWER STATION 138KV'	99	0.00869	-0.09626	30
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'TULSA POWER STATION 138KV'	147	0.00869	-0.09626	30
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'WELEETKA 138KV'	70	0.00962	-0.09719	30
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'FITZHUGH 161KV'	126	0.00392	-0.09149	32
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'LEBROCK 345KV'	365	-0.00883	-0.07874	37
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'NARROWS 69KV'	22	-0.00833	-0.07924	37
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'PIRKEY GENERATION 138KV'	248	-0.0131	-0.07447	39
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'EASTMAN 138KV'	355	-0.01561	-0.07196	40
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'KNOXLEE 138KV'	264.3811	-0.01563	-0.07194	40
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'COMANCHE 138KV'	160	0.01243	-0.07319	40
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'COMANCHE 69KV'	63	0.01238	-0.07314	40
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'SOUTHWESTERN STATION 138KV'	327	0.01211	-0.07287	40
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'WELSH 345KV'	990	0.01229	-0.07305	40
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.08757	AEPW	'WILKES 345KV'	311	-0.01737	-0.0702	41
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'WELEETKA 138KV'	70	0.00962	-0.07038	41
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'COGENTRIX 345KV'	665	0.00881	-0.06957	42
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00806	-0.06882	42
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00806	-0.06882	42
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00806	-0.06882	42
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'RIVERSIDE STATION 138KV'	646	0.00877	-0.06953	42
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'TULSA POWER STATION 138KV'	99	0.00869	-0.06945	42
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'TULSA POWER STATION 138KV'	147	0.00869	-0.06945	42
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'FITZHUGH 161KV'	126	0.00392	-0.06468	45
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'LEBROCK 345KV'	365	-0.00883	-0.05193	56
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'NARROWS 69KV'	22	-0.00833	-0.05243	56
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'PIRKEY GENERATION 138KV'	248	-0.0131	-0.04766	61
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'EASTMAN 138KV'	355	-0.01561	-0.04515	65
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'KNOXLEE 138KV'	264.3811	-0.01563	-0.04513	65
AEPW	'WILKES 138KV'	112.0037	-0.06076	AEPW	'WILKES 345KV'	311	-0.01737	-0.04339	67
AEPW	'LIEBERMAN 138KV'	137	-0.0265	AEPW	'COMANCHE 138KV'	160	0.01243	-0.03893	75
AEPW	'LIEBERMAN 138KV'	137	-0.0265	AEPW	'SOUTHWESTERN STATION 138KV'	327	0.01211	-0.03861	75
AEPW	'LIEBERMAN 138KV'	137	-0.0265	AEPW	'WELSH 345KV'	990	0.01229	-0.03879	75
AEPW	'LIEBERMAN 138KV'	137	-0.0265	AEPW	'WELEETKA 138KV'	70	0.00962	-0.03612	81
AEPW	'LIEBERMAN 138KV'	137	-0.0265	AEPW	'COGENTRIX 345KV'	665	0.00881	-0.03531	82
AEPW	'LIEBERMAN 138KV'	137	-0.0265	AEPW	'RIVERSIDE STATION 138KV'	646	0.00877	-0.03527	83
AEPW	'LIEBERMAN 138KV'	137	-0.0265	AEPW	'TULSA POWER STATION 138KV'	99	0.00869	-0.03519	83
AEPW	'LIEBERMAN 138KV'	137	-0.0265	AEPW	'TULSA POWER STATION 138KV'	147	0.00869	-0.03519	83
AEPW	'ARSENAL HILL 69KV'	75	-0.02241	AEPW	'COMANCHE 138KV'	160	0.01243	-0.03484	84
AEPW	'ARSENAL HILL 69KV'	75	-0.02241	AEPW	'SOUTHWESTERN STATION 138KV'	327	0.01211	-0.03452	84
AEPW	'ARSENAL HILL 69KV'	75	-0.02241	AEPW	'WELSH 345KV'	990	0.01229	-0.0347	84
AEPW	'LIEBERMAN 138KV'	137	-0.0265	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00806	-0.03456	84
AEPW	'LIEBERMAN 138KV'	137	-0.0265	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00806	-0.03456	84
AEPW	'LIEBERMAN 138KV'	137	-0.0265	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00806	-0.03456	84
AEPW	'ARSENAL HILL 69KV'	75	-0.02241	AEPW	'WELEETKA 138KV'	70	0.00962	-0.03203	91
AEPW	'ARSENAL HILL 69KV'	75	-0.02241	AEPW	'COGENTRIX 345KV'	665	0.00881	-0.03122	93
AEPW	'ARSENAL HILL 69KV'	75	-0.02241	AEPW	'RIVERSIDE STATION 138KV'	646	0.00877	-0.03118	93
AEPW	'ARSENAL HILL 69KV'	75	-0.02241	AEPW	'TULSA POWER STATION 138KV'	99	0.00869	-0.0311	94
AEPW	'ARSENAL HILL 69KV'	75	-0.02241	AEPW	'TULSA POWER STATION 138KV'	147	0.00869	-0.0311	94
AEPW	'ARSENAL HILL 69KV'	75	-0.02241	AEPW	'NORTHEASTERN STATION 138KV'	405	0.00806	-0.03047	96
AEPW	'ARSENAL HILL 69KV'	75	-0.02241	AEPW	'NORTHEASTERN STATION 138KV'	95	0.00806	-0.03047	96
AEPW	'ARSENAL HILL 69KV'	75	-0.02241	AEPW	'NORTHEASTERN STATION 345KV'	645	0.00806	-0.03047	96
AEPW	'LIEBERMAN 138KV'	137	-0.0265	AEPW	'FITZHUGH 161KV'	126	0.00392	-0.03042	96

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

Upgrade: BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1
Limiting Facility: BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1
Direction: From->To
Line Outage: GRD OAK - PLEASANT HILL 345KV CKT 1
Flowgate: 59340592591591985920011307SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1035259	4.3	4.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.04493	MIPU	'SOUTH HARPER 161KV'	313.0953	0.39813	-0.44306	10
MIPU	'GREENWOOD 161KV'	255.8	-0.04793	MIPU	'SOUTH HARPER 161KV'	313.0953	0.39813	-0.44606	10
MIPU	'NEVADA 69KV'	20.3	-0.0105	MIPU	'SOUTH HARPER 161KV'	313.0953	0.39813	-0.40863	11
MIPU	'RALPH GREEN 69KV'	73.7	0.07387	MIPU	'SOUTH HARPER 161KV'	313.0953	0.39813	-0.32426	13
KACP	'MONTROSE 161KV'	24.32433	-0.02065	KACP	'LACYGNE UNIT 345KV'	958	0.04183	-0.06248	69
KACP	'MARSHALL 161KV'	39.1	-0.0156	KACP	'LACYGNE UNIT 345KV'	958	0.04183	-0.05743	75
KACP	'PAOLA COMBUSTION TURBINES 161KV'	42.3728	0.00172	KACP	'LACYGNE UNIT 345KV'	958	0.04183	-0.04011	107
MIPU	'GREENWOOD 161KV'	255.8	-0.04793	MIPU	'LAKE ROAD 34KV'	92	-0.01569	-0.03224	133

Maximum Decrement and Maximum Increment were determine from the 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: BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1
Limiting Facility: BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1
Direction: From->To
Line Outage: GRD OAK - PLEASANT HILL 345KV CKT 1
Flowgate: 59340592591591985920013306SP
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1035259	1.5	1.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.04525	MIPU	'SOUTH HARPER 161KV'	315	0.398	-0.44325	3
MIPU	'GREENWOOD 161KV'	229.7398	-0.04826	MIPU	'SOUTH HARPER 161KV'	315	0.398	-0.44626	3
MIPU	'NEVADA 69KV'	20.3	-0.01063	MIPU	'SOUTH HARPER 161KV'	315	0.398	-0.40863	4
MIPU	'RALPH GREEN 69KV'	73.7	0.0736	MIPU	'SOUTH HARPER 161KV'	315	0.398	-0.3244	5
KACP	'MONTROSE 161KV'	25.64531	-0.02091	KACP	'LACYGNE UNIT 345KV'	962	0.04182	-0.06273	25
KACP	'MARSHALL 161KV'	54.1	-0.01626	KACP	'LACYGNE UNIT 345KV'	962	0.04182	-0.05808	27
KACP	'GARDNER 161KV'	11	-0.00649	KACP	'LACYGNE UNIT 345KV'	962	0.04182	-0.04831	32
KACP	'BULL CREEK 161KV'	86.42065	-0.00396	KACP	'LACYGNE UNIT 345KV'	962	0.04182	-0.04578	34
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	0.00167	KACP	'LACYGNE UNIT 345KV'	962	0.04182	-0.04015	38
MIPU	'GREENWOOD 161KV'	229.7398	-0.04826	MIPU	'LAKE ROAD 161KV'	35	-0.01604	-0.03222	48
MIPU	'GREENWOOD 161KV'	229.7398	-0.04826	MIPU	'LAKE ROAD 34KV'	92	-0.01604	-0.03222	48

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

Upgrade: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
Limiting Facility: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
Direction: To->From
Line Outage: ORRICK - SIBLEY 161KV CKT 1
Flowgate: 592055923515924459202111O6SP
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032955	0.8	4.8
1034307	4.1	4.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'SIBLEY 161KV'	230.7252	0.19121	-0.37639	13
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'SIBLEY 161KV'	230.7252	0.19121	-0.33319	14
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'SIBLEY 69KV'	45.99999	0.16359	-0.34877	14
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'SIBLEY 69KV'	45.99999	0.16359	-0.30557	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'SIBLEY 161KV'	230.7252	0.19121	-0.30492	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'SIBLEY 69KV'	45.99999	0.16359	-0.2773	17
MIPU	'NEVADA 69KV'	20.3	-0.04556	MIPU	'SIBLEY 161KV'	230.7252	0.19121	-0.23677	20
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'LAKE ROAD 161KV'	35	0.03552	-0.2207	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'LAKE ROAD 34KV'	92	0.03552	-0.2207	22
MIPU	'NEVADA 69KV'	20.3	-0.04556	MIPU	'SIBLEY 69KV'	45.99999	0.16359	-0.20915	23
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'LAKE ROAD 161KV'	35	0.03552	-0.1775	27
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'LAKE ROAD 34KV'	92	0.03552	-0.1775	27
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'LAKE ROAD 161KV'	35	0.03552	-0.14923	32
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'LAKE ROAD 34KV'	92	0.03552	-0.14923	32
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'SOUTH HARPER 161KV'	252.9137	-0.04893	-0.13625	35
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'SOUTH HARPER 161KV'	252.9137	-0.04893	-0.09305	52
MIPU	'NEVADA 69KV'	20.3	-0.04556	MIPU	'LAKE ROAD 161KV'	35	0.03552	-0.08108	60
MIPU	'NEVADA 69KV'	20.3	-0.04556	MIPU	'LAKE ROAD 34KV'	92	0.03552	-0.08108	60
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'HAWTHORN 161KV'	455	0.04087	-0.07753	62
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'HAWTHORN 161KV'	314	0.04087	-0.07753	62
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 13KV'	36	0.03795	-0.07461	65
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 13KV'	36	0.03795	-0.07461	65
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 161KV'	35	0.03795	-0.07461	65
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 161KV'	38	0.03795	-0.07461	65
KACP	'MONTROSE 161KV'	26.40816	-0.02891	KACP	'HAWTHORN 161KV'	455	0.04087	-0.06978	69
KACP	'MONTROSE 161KV'	26.40816	-0.02891	KACP	'HAWTHORN 161KV'	314	0.04087	-0.06978	69
KACP	'MONTROSE 161KV'	26.40816	-0.02891	KACP	'NORTHEAST 13KV'	36	0.03795	-0.06686	72
KACP	'MONTROSE 161KV'	26.40816	-0.02891	KACP	'NORTHEAST 13KV'	36	0.03795	-0.06686	72
KACP	'MONTROSE 161KV'	26.40816	-0.02891	KACP	'NORTHEAST 161KV'	35	0.03795	-0.06686	72
KACP	'MONTROSE 161KV'	26.40816	-0.02891	KACP	'NORTHEAST 161KV'	38	0.03795	-0.06686	72
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'SOUTH HARPER 161KV'	252.9137	-0.04893	-0.06478	75
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'IATAN 345KV'	396	0.0154	-0.05206	93

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

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

Upgrade: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
Limiting Facility: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
Direction: To->From
Line Outage: ORRICK - SIBLEY 161KV CKT 1
Flowgate: 592055923515924459202111O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032955	0.8	4.7
1034307	4.0	4.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'GREENWOOD 161KV'	255.8	-0.18512	MIPU	'SIBLEY 161KV'	228.9144	0.19108	-0.3762	13
MIPU	'ARIES 161KV'	595	-0.14191	MIPU	'SIBLEY 161KV'	228.9144	0.19108	-0.33299	14
MIPU	'GREENWOOD 161KV'	255.8	-0.18512	MIPU	'SIBLEY 69KV'	45.99999	0.16342	-0.34854	14
MIPU	'ARIES 161KV'	595	-0.14191	MIPU	'SIBLEY 69KV'	45.99999	0.16342	-0.30533	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.11361	MIPU	'SIBLEY 161KV'	228.9144	0.19108	-0.30469	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.11361	MIPU	'SIBLEY 69KV'	45.99999	0.16342	-0.27703	17
MIPU	'GREENWOOD 161KV'	255.8	-0.18512	MIPU	'LAKE ROAD 161KV'	35	0.03537	-0.22049	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18512	MIPU	'LAKE ROAD 34KV'	92	0.03537	-0.22049	22
MIPU	'ARIES 161KV'	595	-0.14191	MIPU	'LAKE ROAD 161KV'	35	0.03537	-0.17728	27
MIPU	'ARIES 161KV'	595	-0.14191	MIPU	'LAKE ROAD 34KV'	92	0.03537	-0.17728	27
MIPU	'RALPH GREEN 69KV'	73.7	-0.11361	MIPU	'LAKE ROAD 161KV'	35	0.03537	-0.14898	32
MIPU	'RALPH GREEN 69KV'	73.7	-0.11361	MIPU	'LAKE ROAD 34KV'	92	0.03537	-0.14898	32
MIPU	'GREENWOOD 161KV'	255.8	-0.18512	MIPU	'SOUTH HARPER 161KV'	228.0012	-0.04881	-0.13631	35
MIPU	'ARIES 161KV'	595	-0.14191	MIPU	'SOUTH HARPER 161KV'	228.0012	-0.04881	-0.0931	51
MIPU	'NEVADA 69KV'	20.3	-0.04524	MIPU	'LAKE ROAD 161KV'	35	0.03537	-0.08061	59
MIPU	'NEVADA 69KV'	20.3	-0.04524	MIPU	'LAKE ROAD 34KV'	92	0.03537	-0.08061	59
KACP	'MARSHALL 161KV'	39.1	-0.03665	KACP	'HAWTHORN 161KV'	455	0.04045	-0.0771	61
KACP	'MARSHALL 161KV'	39.1	-0.03665	KACP	'HAWTHORN 161KV'	314	0.04045	-0.0771	61
KACP	'MARSHALL 161KV'	39.1	-0.03665	KACP	'NORTHEAST 13KV'	36	0.0372	-0.07385	64
KACP	'MARSHALL 161KV'	39.1	-0.03665	KACP	'NORTHEAST 13KV'	36	0.0372	-0.07385	64
KACP	'MARSHALL 161KV'	39.1	-0.03665	KACP	'NORTHEAST 161KV'	35	0.0372	-0.07385	64
KACP	'MARSHALL 161KV'	39.1	-0.03665	KACP	'NORTHEAST 161KV'	38	0.0372	-0.07385	64
KACP	'MONTROSE 161KV'	25.38608	-0.02876	KACP	'HAWTHORN 161KV'	455	0.04045	-0.06921	69
KACP	'MONTROSE 161KV'	25.38608	-0.02876	KACP	'HAWTHORN 161KV'	314	0.04045	-0.06921	69
KACP	'MONTROSE 161KV'	25.38608	-0.02876	KACP	'NORTHEAST 13KV'	36	0.0372	-0.06596	72
KACP	'MONTROSE 161KV'	25.38608	-0.02876	KACP	'NORTHEAST 13KV'	36	0.0372	-0.06596	72
KACP	'MONTROSE 161KV'	25.38608	-0.02876	KACP	'NORTHEAST 161KV'	35	0.0372	-0.06596	72
KACP	'MONTROSE 161KV'	25.38608	-0.02876	KACP	'NORTHEAST 161KV'	38	0.0372	-0.06596	72
MIPU	'RALPH GREEN 69KV'	73.7	-0.11361	MIPU	'SOUTH HARPER 161KV'	228.0012	-0.04881	-0.0648	73
KACP	'MARSHALL 161KV'	39.1	-0.03665	KACP	'IATAN 345KV'	396	0.01544	-0.05209	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: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
Limiting Facility: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
Direction: To->From
Line Outage: ORRICK - RICHMOND 161KV CKT 1
Flowgate: 592055923515924459236111O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032955	0.8	4.7
1034307	4.0	4.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'GREENWOOD 161KV'	255.8	-0.18512	MIPU	'SIBLEY 161KV'	228.9144	0.19108	-0.3762	13
MIPU	'ARIES 161KV'	595	-0.14191	MIPU	'SIBLEY 161KV'	228.9144	0.19108	-0.33299	14
MIPU	'GREENWOOD 161KV'	255.8	-0.18512	MIPU	'SIBLEY 69KV'	45.99999	0.16342	-0.34854	14
MIPU	'ARIES 161KV'	595	-0.14191	MIPU	'SIBLEY 69KV'	45.99999	0.16342	-0.30533	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.11361	MIPU	'SIBLEY 161KV'	228.9144	0.19108	-0.30469	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.11361	MIPU	'SIBLEY 69KV'	45.99999	0.16342	-0.27703	17
MIPU	'GREENWOOD 161KV'	255.8	-0.18512	MIPU	'LAKE ROAD 161KV'	35	0.03537	-0.22049	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18512	MIPU	'LAKE ROAD 34KV'	92	0.03537	-0.22049	22
MIPU	'ARIES 161KV'	595	-0.14191	MIPU	'LAKE ROAD 161KV'	35	0.03537	-0.17728	27
MIPU	'ARIES 161KV'	595	-0.14191	MIPU	'LAKE ROAD 34KV'	92	0.03537	-0.17728	27
MIPU	'RALPH GREEN 69KV'	73.7	-0.11361	MIPU	'LAKE ROAD 161KV'	35	0.03537	-0.14898	32
MIPU	'RALPH GREEN 69KV'	73.7	-0.11361	MIPU	'LAKE ROAD 34KV'	92	0.03537	-0.14898	32
MIPU	'GREENWOOD 161KV'	255.8	-0.18512	MIPU	'SOUTH HARPER 161KV'	228.0012	-0.04881	-0.13631	35
MIPU	'ARIES 161KV'	595	-0.14191	MIPU	'SOUTH HARPER 161KV'	228.0012	-0.04881	-0.0931	51
MIPU	'NEVADA 69KV'	20.3	-0.04524	MIPU	'LAKE ROAD 161KV'	35	0.03537	-0.08061	59
MIPU	'NEVADA 69KV'	20.3	-0.04524	MIPU	'LAKE ROAD 34KV'	92	0.03537	-0.08061	59
KACP	'MARSHALL 161KV'	39.1	-0.03665	KACP	'HAWTHORN 161KV'	455	0.04045	-0.0771	61
KACP	'MARSHALL 161KV'	39.1	-0.03665	KACP	'HAWTHORN 161KV'	314	0.04045	-0.0771	61
KACP	'MARSHALL 161KV'	39.1	-0.03665	KACP	'NORTHEAST 13KV'	36	0.0372	-0.07385	64
KACP	'MARSHALL 161KV'	39.1	-0.03665	KACP	'NORTHEAST 13KV'	36	0.0372	-0.07385	64
KACP	'MARSHALL 161KV'	39.1	-0.03665	KACP	'NORTHEAST 161KV'	35	0.0372	-0.07385	64
KACP	'MARSHALL 161KV'	39.1	-0.03665	KACP	'NORTHEAST 161KV'	38	0.0372	-0.07385	64
KACP	'MONTROSE 161KV'	25.38608	-0.02876	KACP	'HAWTHORN 161KV'	455	0.04045	-0.06921	69
KACP	'MONTROSE 161KV'	25.38608	-0.02876	KACP	'HAWTHORN 161KV'	314	0.04045	-0.06921	69
KACP	'MONTROSE 161KV'	25.38608	-0.02876	KACP	'NORTHEAST 13KV'	36	0.0372	-0.06596	72
KACP	'MONTROSE 161KV'	25.38608	-0.02876	KACP	'NORTHEAST 13KV'	36	0.0372	-0.06596	72
KACP	'MONTROSE 161KV'	25.38608	-0.02876	KACP	'NORTHEAST 161KV'	35	0.0372	-0.06596	72
KACP	'MONTROSE 161KV'	25.38608	-0.02876	KACP	'NORTHEAST 161KV'	38	0.0372	-0.06596	72
MIPU	'RALPH GREEN 69KV'	73.7	-0.11361	MIPU	'SOUTH HARPER 161KV'	228.0012	-0.04881	-0.0648	73
KACP	'MARSHALL 161KV'	39.1	-0.03665	KACP	'IATAN 345KV'	396	0.01544	-0.05209	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

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

Upgrade: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
Limiting Facility: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
Direction: To->From
Line Outage: ORRICK - RICHMOND 161KV CKT 1
Flowgate: 592055923515924459236121O6SP
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032955	0.8	4.8
1034307	4.1	4.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'SIBLEY 161KV'	230.383	0.19121	-0.37639	13
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'SIBLEY 161KV'	230.383	0.19121	-0.33319	14
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'SIBLEY 69KV'	45.99999	0.16359	-0.34877	14
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'SIBLEY 69KV'	45.99999	0.16359	-0.30557	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'SIBLEY 161KV'	230.383	0.19121	-0.30492	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'SIBLEY 69KV'	45.99999	0.16359	-0.2773	17
MIPU	'NEVADA 69KV'	20.3	-0.04556	MIPU	'SIBLEY 161KV'	230.383	0.19121	-0.23677	20
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'LAKE ROAD 161KV'	35	0.03552	-0.2207	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'LAKE ROAD 34KV'	92	0.03552	-0.2207	22
MIPU	'NEVADA 69KV'	20.3	-0.04556	MIPU	'SIBLEY 69KV'	45.99999	0.16359	-0.20915	23
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'LAKE ROAD 161KV'	35	0.03552	-0.1775	27
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'LAKE ROAD 34KV'	92	0.03552	-0.1775	27
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'LAKE ROAD 161KV'	35	0.03552	-0.14923	32
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'LAKE ROAD 34KV'	92	0.03552	-0.14923	32
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'SOUTH HARPER 161KV'	232.4752	-0.04893	-0.13625	35
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'SOUTH HARPER 161KV'	232.4752	-0.04893	-0.09305	52
MIPU	'NEVADA 69KV'	20.3	-0.04556	MIPU	'LAKE ROAD 161KV'	35	0.03552	-0.08108	60
MIPU	'NEVADA 69KV'	20.3	-0.04556	MIPU	'LAKE ROAD 34KV'	92	0.03552	-0.08108	60
KACP	'MARSHALL 161KV'	54.1	-0.03666	KACP	'HAWTHORN 161KV'	455	0.04087	-0.07753	62
KACP	'MARSHALL 161KV'	54.1	-0.03666	KACP	'HAWTHORN 161KV'	314	0.04087	-0.07753	62
KACP	'MARSHALL 161KV'	54.1	-0.03666	KACP	'NORTHEAST 13KV'	36	0.03795	-0.07461	65
KACP	'MARSHALL 161KV'	54.1	-0.03666	KACP	'NORTHEAST 13KV'	36	0.03795	-0.07461	65
KACP	'MARSHALL 161KV'	54.1	-0.03666	KACP	'NORTHEAST 161KV'	35	0.03795	-0.07461	65
KACP	'MARSHALL 161KV'	54.1	-0.03666	KACP	'NORTHEAST 161KV'	25.96729	0.03795	-0.07461	65
KACP	'MONTROSE 161KV'	25.80621	-0.02891	KACP	'HAWTHORN 161KV'	455	0.04087	-0.06978	69
KACP	'MONTROSE 161KV'	25.80621	-0.02891	KACP	'HAWTHORN 161KV'	314	0.04087	-0.06978	69
KACP	'MONTROSE 161KV'	25.80621	-0.02891	KACP	'NORTHEAST 13KV'	36	0.03795	-0.06686	72
KACP	'MONTROSE 161KV'	25.80621	-0.02891	KACP	'NORTHEAST 13KV'	36	0.03795	-0.06686	72
KACP	'MONTROSE 161KV'	25.80621	-0.02891	KACP	'NORTHEAST 161KV'	35	0.03795	-0.06686	72
KACP	'MONTROSE 161KV'	25.80621	-0.02891	KACP	'NORTHEAST 161KV'	25.96729	0.03795	-0.06686	72
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'SOUTH HARPER 161KV'	232.4752	-0.04893	-0.06478	75
KACP	'MARSHALL 161KV'	54.1	-0.03666	KACP	'IATAN 345KV'	396	0.0154	-0.05206	93
KACP	'MARSHALL 161KV'	54.1	-0.03666	KACP	'BULL CREEK 161KV'	308	-0.0047	-0.03196	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: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
Limiting Facility: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
Direction: To->From
Line Outage: PLEASANT HILL () 345/161/13.8KV TRANSFORMER CKT 1
Flowgate: 59205592351PHILL737511106SP
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032955	0.5	3.6
1034307	3.1	3.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'SIBLEY 161KV'	230.7252	0.15485	-0.42745	8
MIPU	'ARIES 161KV'	595	-0.24243	MIPU	'SIBLEY 161KV'	230.7252	0.15485	-0.39728	9
MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'SIBLEY 69KV'	45.99999	0.13272	-0.40532	9
MIPU	'ARIES 161KV'	595	-0.24243	MIPU	'SIBLEY 69KV'	45.99999	0.13272	-0.37515	10
MIPU	'RALPH GREEN 69KV'	73.7	-0.16187	MIPU	'SIBLEY 161KV'	230.7252	0.15485	-0.31672	11
MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'LAKE ROAD 161KV'	35	0.02878	-0.30138	12
MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'LAKE ROAD 34KV'	92	0.02878	-0.30138	12
MIPU	'RALPH GREEN 69KV'	73.7	-0.16187	MIPU	'SIBLEY 69KV'	45.99999	0.13272	-0.29459	12
MIPU	'ARIES 161KV'	595	-0.24243	MIPU	'LAKE ROAD 161KV'	35	0.02878	-0.27121	13
MIPU	'ARIES 161KV'	595	-0.24243	MIPU	'LAKE ROAD 34KV'	92	0.02878	-0.27121	13
MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'SOUTH HARPER 161KV'	252.9137	-0.05024	-0.22236	16
MIPU	'NEVADA 69KV'	20.3	-0.06432	MIPU	'SIBLEY 161KV'	230.7252	0.15485	-0.21917	17
MIPU	'NEVADA 69KV'	20.3	-0.06432	MIPU	'SIBLEY 69KV'	45.99999	0.13272	-0.19704	18
MIPU	'ARIES 161KV'	595	-0.24243	MIPU	'SOUTH HARPER 161KV'	252.9137	-0.05024	-0.19219	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.16187	MIPU	'LAKE ROAD 161KV'	35	0.02878	-0.19065	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.16187	MIPU	'LAKE ROAD 34KV'	92	0.02878	-0.19065	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.16187	MIPU	'SOUTH HARPER 161KV'	252.9137	-0.05024	-0.11163	32
MIPU	'NEVADA 69KV'	20.3	-0.06432	MIPU	'LAKE ROAD 161KV'	35	0.02878	-0.0931	39
MIPU	'NEVADA 69KV'	20.3	-0.06432	MIPU	'LAKE ROAD 34KV'	92	0.02878	-0.0931	39
KACP	'MONTROSE 161KV'	26.40816	-0.04268	KACP	'HAWTHORN 161KV'	455	0.03194	-0.07462	49
KACP	'MONTROSE 161KV'	26.40816	-0.04268	KACP	'HAWTHORN 161KV'	314	0.03194	-0.07462	49
KACP	'MONTROSE 161KV'	26.40816	-0.04268	KACP	'NORTHEAST 13KV'	36	0.02881	-0.07149	51
KACP	'MONTROSE 161KV'	26.40816	-0.04268	KACP	'NORTHEAST 13KV'	36	0.02881	-0.07149	51
KACP	'MONTROSE 161KV'	26.40816	-0.04268	KACP	'NORTHEAST 161KV'	35	0.02881	-0.07149	51
KACP	'MONTROSE 161KV'	26.40816	-0.04268	KACP	'NORTHEAST 161KV'	38	0.02881	-0.07149	51
KACP	'MARSHALL 161KV'	39.1	-0.02274	KACP	'HAWTHORN 161KV'	455	0.03194	-0.05468	66
KACP	'MARSHALL 161KV'	39.1	-0.02274	KACP	'HAWTHORN 161KV'	314	0.03194	-0.05468	66
KACP	'MONTROSE 161KV'	26.40816	-0.04268	KACP	'IATAN 345KV'	396	0.0114	-0.05408	67
KACP	'MARSHALL 161KV'	39.1	-0.02274	KACP	'NORTHEAST 13KV'	36	0.02881	-0.05155	70
KACP	'MARSHALL 161KV'	39.1	-0.02274	KACP	'NORTHEAST 13KV'	36	0.02881	-0.05155	70
KACP	'MARSHALL 161KV'	39.1	-0.02274	KACP	'NORTHEAST 161KV'	35	0.02881	-0.05155	70
KACP	'MARSHALL 161KV'	39.1	-0.02274	KACP	'NORTHEAST 161KV'	38	0.02881	-0.05155	70
KACP	'MARSHALL 161KV'	39.1	-0.02274	KACP	'IATAN 345KV'	396	0.0114	-0.03414	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

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

Upgrade: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
Limiting Facility: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
Direction: To->From
Line Outage: PLEASANT HILL () 345/161/13.8KV TRANSFORMER CKT 1
Flowgate: 59205592351PHILL737511107SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032955	0.5	0.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.24237	MIPU	'SIBLEY 161KV'	228.9144	0.15469	-0.39706	1
MIPU	'ARIES 161KV'	595	-0.24237	MIPU	'SIBLEY 69KV'	45.99999	0.13254	-0.37491	1
MIPU	'GREENWOOD 161KV'	255.8	-0.27256	MIPU	'SIBLEY 161KV'	228.9144	0.15469	-0.42725	1
MIPU	'GREENWOOD 161KV'	255.8	-0.27256	MIPU	'SIBLEY 69KV'	45.99999	0.13254	-0.4051	1
MIPU	'ARIES 161KV'	595	-0.24237	MIPU	'LAKE ROAD 161KV'	35	0.02861	-0.27098	2
MIPU	'ARIES 161KV'	595	-0.24237	MIPU	'LAKE ROAD 34KV'	92	0.02861	-0.27098	2
MIPU	'GREENWOOD 161KV'	255.8	-0.27256	MIPU	'LAKE ROAD 161KV'	35	0.02861	-0.30117	2
MIPU	'GREENWOOD 161KV'	255.8	-0.27256	MIPU	'LAKE ROAD 34KV'	92	0.02861	-0.30117	2
MIPU	'GREENWOOD 161KV'	255.8	-0.27256	MIPU	'SOUTH HARPER 161KV'	228.0012	-0.05015	-0.22241	2
MIPU	'RALPH GREEN 69KV'	73.7	-0.1618	MIPU	'SIBLEY 161KV'	228.9144	0.15469	-0.31649	2
MIPU	'RALPH GREEN 69KV'	73.7	-0.1618	MIPU	'SIBLEY 69KV'	45.99999	0.13254	-0.29434	2
MIPU	'ARIES 161KV'	595	-0.24237	MIPU	'SOUTH HARPER 161KV'	228.0012	-0.05015	-0.19222	3
MIPU	'RALPH GREEN 69KV'	73.7	-0.1618	MIPU	'LAKE ROAD 161KV'	35	0.02861	-0.19041	3
MIPU	'RALPH GREEN 69KV'	73.7	-0.1618	MIPU	'LAKE ROAD 34KV'	92	0.02861	-0.19041	3
MIPU	'RALPH GREEN 69KV'	73.7	-0.1618	MIPU	'SOUTH HARPER 161KV'	228.0012	-0.05015	-0.11165	4
MIPU	'NEVADA 69KV'	20.3	-0.06397	MIPU	'LAKE ROAD 161KV'	35	0.02861	-0.09258	5
MIPU	'NEVADA 69KV'	20.3	-0.06397	MIPU	'LAKE ROAD 34KV'	92	0.02861	-0.09258	5
KACP	'MONTROSE 161KV'	25.38608	-0.04256	KACP	'HAWTHORN 161KV'	455	0.03152	-0.07408	7
KACP	'MONTROSE 161KV'	25.38608	-0.04256	KACP	'HAWTHORN 161KV'	314	0.03152	-0.07408	7
KACP	'MONTROSE 161KV'	25.38608	-0.04256	KACP	'NORTHEAST 13KV'	36	0.02809	-0.07065	7
KACP	'MONTROSE 161KV'	25.38608	-0.04256	KACP	'NORTHEAST 13KV'	36	0.02809	-0.07065	7
KACP	'MONTROSE 161KV'	25.38608	-0.04256	KACP	'NORTHEAST 13KV'	9.647949	0.02809	-0.07065	7
KACP	'MONTROSE 161KV'	25.38608	-0.04256	KACP	'NORTHEAST 161KV'	35	0.02809	-0.07065	7
KACP	'MONTROSE 161KV'	25.38608	-0.04256	KACP	'NORTHEAST 161KV'	38	0.02809	-0.07065	7
KACP	'MARSHALL 161KV'	39.1	-0.02287	KACP	'HAWTHORN 161KV'	455	0.03152	-0.05439	9
KACP	'MARSHALL 161KV'	39.1	-0.02287	KACP	'HAWTHORN 161KV'	314	0.03152	-0.05439	9
KACP	'MONTROSE 161KV'	25.38608	-0.04256	KACP	'IATAN 345KV'	396	0.01143	-0.05399	9
KACP	'MARSHALL 161KV'	39.1	-0.02287	KACP	'NORTHEAST 13KV'	36	0.02809	-0.05096	10
KACP	'MARSHALL 161KV'	39.1	-0.02287	KACP	'NORTHEAST 13KV'	36	0.02809	-0.05096	10
KACP	'MARSHALL 161KV'	39.1	-0.02287	KACP	'NORTHEAST 13KV'	9.647949	0.02809	-0.05096	10
KACP	'MARSHALL 161KV'	39.1	-0.02287	KACP	'NORTHEAST 161KV'	35	0.02809	-0.05096	10
KACP	'MARSHALL 161KV'	39.1	-0.02287	KACP	'NORTHEAST 161KV'	38	0.02809	-0.05096	10
SWPA	'STOCKTON 161KV'	7.927952	-0.03228	SWPA	'CLARENCE CANNON DAM 69KV'	39.16882	0.00501	-0.03729	13
KACP	'MARSHALL 161KV'	39.1	-0.02287	KACP	'IATAN 345KV'	396	0.01143	-0.0343	14
KACP	'MONTROSE 161KV'	25.38608	-0.04256	KACP	'BULL CREEK 161KV'	308	-0.00861	-0.03395	14
SWPA	'STOCKTON 161KV'	7.927952	-0.03228	SWPA	'SIKESTON 161KV'	235	-0.00026	-0.03202	15
KACP	'MONTROSE 161KV'	25.38608	-0.04256	KACP	'LACYGNE UNIT 345KV'	958	-0.01128	-0.03128	16
SWPA	'STOCKTON 161KV'	7.927952	-0.03228	SWPA	'JONESBORO 161KV'	63	-0.00164	-0.03064	16
SWPA	'STOCKTON 161KV'	7.927952	-0.03228	SWPA	'KENNETT 69KV'	7.2	-0.00096	-0.03132	16
SWPA	'STOCKTON 161KV'	7.927952	-0.03228	SWPA	'MALDEN 69KV'	7	-0.00073	-0.03155	16
SWPA	'STOCKTON 161KV'	7.927952	-0.03228	SWPA	'PARAGOULD 69KV'	5.5	-0.00135	-0.03093	16
SWPA	'STOCKTON 161KV'	7.927952	-0.03228	SWPA	'POPLAR BLUFF 69KV'	6	-0.00088	-0.0314	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

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

Upgrade: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Limiting Facility: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Direction: To->From
Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
Flowgate: 571525716515676556772111O7G
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
1034589	0.3	1.1
1034590	0.8	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'HOLTON 115KV'	19.8	-0.64997	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04412	-0.69409	2
WERE	'HOLTON 115KV'	19.8	-0.64997	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03841	-0.68838	2
WERE	'HOLTON 115KV'	19.8	-0.64997	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0348	-0.68477	2
WERE	'HOLTON 115KV'	19.8	-0.64997	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.70725	2
WERE	'HOLTON 115KV'	19.8	-0.64997	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.71246	2
WERE	'HOLTON 115KV'	19.8	-0.64997	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.7105	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.29907	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04412	-0.34319	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29907	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03841	-0.33748	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29907	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0348	-0.33387	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29907	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.35635	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29907	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.36156	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29907	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.3596	3
WERE	'SOUTH SENECA 115KV'	15	-0.27	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.32728	3
WERE	'SOUTH SENECA 115KV'	15	-0.27	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.33249	3
WERE	'SOUTH SENECA 115KV'	15	-0.27	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.33053	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29907	WERE	'CITY OF AUGUSTA 69KV'	24.3	0.00222	-0.30129	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29907	WERE	'CITY OF MULVANE 69KV'	4.922	0.0084	-0.30747	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29907	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.00812	-0.30719	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29907	WERE	'CITY OF WINFIELD 69KV'	11.44398	0.00698	-0.30605	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29907	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01079	-0.30986	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29907	WERE	'GILL ENERGY CENTER 138KV'	155	0.00943	-0.3085	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29907	WERE	'WACO 138KV'	18	0.00957	-0.30864	4
WERE	'SOUTH SENECA 115KV'	15	-0.27	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04412	-0.31412	4
WERE	'SOUTH SENECA 115KV'	15	-0.27	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03841	-0.30841	4
WERE	'SOUTH SENECA 115KV'	15	-0.27	WERE	'CITY OF MULVANE 69KV'	4.922	0.0084	-0.2784	4
WERE	'SOUTH SENECA 115KV'	15	-0.27	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01079	-0.28079	4
WERE	'SOUTH SENECA 115KV'	15	-0.27	WERE	'GILL ENERGY CENTER 138KV'	155	0.00943	-0.27943	4
WERE	'SOUTH SENECA 115KV'	15	-0.27	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0348	-0.3048	4
WERE	'SOUTH SENECA 115KV'	15	-0.27	WERE	'WACO 138KV'	18	0.00957	-0.27957	4
WEPL	'GREENLEAF 115KV'	10.15	-0.12403	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	26.09793	0.01951	-0.14354	8
WEPL	'CLIFTON 115KV'	70	-0.0832	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	26.09793	0.01951	-0.10271	11
WERE	'GETTY 69KV'	35	-0.00218	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.06467	17
WERE	'GETTY 69KV'	35	-0.00218	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.06271	18
WERE	'CHANUTE 69KV'	40.21	0.00585	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.05664	19
WERE	'CITY OF ERIE 69KV'	26.53	0.00585	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.05664	19
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00532	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.05717	19
WERE	'GETTY 69KV'	35	-0.00218	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.05946	19
WERE	'CHANUTE 69KV'	40.21	0.00585	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.05468	20
WERE	'CITY OF ERIE 69KV'	26.53	0.00585	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.05468	20
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00532	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.05521	20
WERE	'CITY OF GIRARD 69KV'	8.174	0.00649	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.056	20
WERE	'CITY OF GIRARD 69KV'	8.174	0.00649	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.05404	20
WERE	'CITY OF IOLA 69KV'	20.548	0.00627	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.05622	20
WERE	'CITY OF IOLA 69KV'	20.548	0.00627	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.05426	20
WERE	'CITY OF MULVANE 69KV'	10.868	0.0084	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.05409	20
WERE	'CITY OF WINFIELD 69KV'	28.55602	0.00698	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.05551	20
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.0065	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.05599	20
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.0065	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.05403	20
WERE	'CHANUTE 69KV'	40.21	0.00585	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.05143	21
WERE	'CITY OF ERIE 69KV'	26.53	0.00585	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.05143	21
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00532	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.05196	21
WERE	'CITY OF MULVANE 69KV'	10.868	0.0084	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.05213	21
WERE	'CITY OF WINFIELD 69KV'	28.55602	0.00698	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.05355	21
WERE	'EVANS ENERGY CENTER 138KV'	283	0.01079	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.0517	21
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00943	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.05306	21
WERE	'GILL ENERGY CENTER 69KV'	118	0.00922	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06249	-0.05327	21
WERE	'GILL ENERGY CENTER 69KV'	118	0.00922	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.05131	21
WERE	'CITY OF GIRARD 69KV'	8.174	0.00649	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.05079	22
WERE	'CITY OF IOLA 69KV'	20.548	0.00627	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.05101	22
WERE	'CITY OF WINFIELD 69KV'	28.55602	0.00698	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.0503	22
WERE	'EVANS ENERGY CENTER 138KV'	283	0.01079	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.04974	22
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00943	WERE	'TECUMSEH ENERGY CENTER 115KV'	61.7087	0.06053	-0.0511	22
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.0065	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.05078	22
WERE	'CITY OF MULVANE 69KV'	10.868	0.0084	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.04888	23
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00943	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.04785	23
WERE	'GILL ENERGY CENTER 69KV'	118	0.00922	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.04806	23
WERE	'EVANS ENERGY CENTER 138KV'	283	0.01079	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05728	-0.04649	24
WERE	'GETTY 69KV'	35	-0.00218	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04412	-0.0463	24
WERE	'GETTY 69KV'	35	-0.00218	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03841	-0.04059	27
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00532	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04412	-0.0388	28
WERE	'CHANUTE 69KV'	40.21	0.00585	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04412	-0.03827	29
WERE	'CITY OF ERIE 69KV'	26.53	0.00585	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04412	-0.03827	29
WERE	'CITY OF IOLA 69KV'	20.548	0.00627	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04412	-0.03785	29
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.0065	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04412	-0.03762	29
WERE	'CITY OF WINFIELD 69KV'	28.55602	0.00698	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04412	-0.03714	30
WERE	'GETTY 69KV'	35	-0.00218	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.0348	-0.03698	30
WERE	'CITY OF MULVANE 69KV'	10.868	0.0084	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04412	-0.03572	31
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00943	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04412	-0.03469	32
WERE	'GILL ENERGY CENTER 69KV'	118	0.00922	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04412	-0.0349	32
WERE	'EVANS ENERGY CENTER 138KV'	283	0.01079	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04412	-0.03333	33
WERE	'CHANUTE 69KV'	40.21	0.00585	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03841	-0.03256	34
WERE	'CITY OF ERIE 69KV'	26.53	0.00585	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03841	-0.03256	34
WERE	'CITY OF IOLA 69KV'	20.548	0.00627	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03841	-0.03214	34
WERE	'CITY OF WINFIELD 69KV'	28.55602	0.00698	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03841	-0.03143	35
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.0065	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03841	-0.03191	35

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

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

Upgrade: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Limiting Facility: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Direction: To->From
Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
Flowgate: 571525716515676556772112O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.3	1.1
1034590	0.8	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'HOLTON 115KV'	19.8	-0.65008	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.69389	2
WERE	'HOLTON 115KV'	19.8	-0.65008	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.68848	2
WERE	'HOLTON 115KV'	19.8	-0.65008	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.03507	-0.68515	2
WERE	'HOLTON 115KV'	19.8	-0.65008	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.70712	2
WERE	'HOLTON 115KV'	19.8	-0.65008	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.71232	2
WERE	'HOLTON 115KV'	19.8	-0.65008	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.68753	2
WERE	'HOLTON 115KV'	19.8	-0.65008	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.71043	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.34283	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.33742	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.03507	-0.33409	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.35606	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.36126	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.33647	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.35937	3
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.32703	3
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.33223	3
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.33034	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'CITY OF AUGUSTA 69KV'	24.09998	0.00207	-0.30109	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'CITY OF MULVANE 69KV'	3.791	0.00831	-0.30733	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.00808	-0.3071	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'CITY OF WINFIELD 69KV'	5.32	0.00689	-0.30591	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'EVANS ENERGY CENTER 138KV'	340	0.0107	-0.30972	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'GILL ENERGY CENTER 138KV'	155	0.00936	-0.30838	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'WACO 138KV'	17.93	0.0095	-0.30852	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.3138	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.30839	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'CITY OF MULVANE 69KV'	3.791	0.00831	-0.2783	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'EVANS ENERGY CENTER 138KV'	340	0.0107	-0.28069	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'GILL ENERGY CENTER 138KV'	155	0.00936	-0.27935	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.03507	-0.30506	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.30744	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'WACO 138KV'	17.93	0.0095	-0.27949	4
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'GRAY COUNTY WIND FARM 115KV'	100	0.01122	-0.13538	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'JUDSON LARGE 115KV'	18.46434	0.01122	-0.13538	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	0.02068	-0.14484	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'PLAINVILLE 115KV'	5.25	0.01613	-0.14029	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'RUSSELL 115KV'	19.4	0.01217	-0.13633	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'SPEARVILLE WIND 34KV'	101	0.01138	-0.13554	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'BELOIT 115KV'	5.250004	-0.01213	-0.11203	10
WEPL	'CLIFTON 115KV'	70	-0.08337	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	0.02068	-0.10405	11
WEPL	'CLIFTON 115KV'	70	-0.08337	WEPL	'PLAINVILLE 115KV'	5.25	0.01613	-0.0995	11
WEPL	'CLIFTON 115KV'	70	-0.08337	WEPL	'GRAY COUNTY WIND FARM 115KV'	100	0.01122	-0.09459	12
WEPL	'CLIFTON 115KV'	70	-0.08337	WEPL	'JUDSON LARGE 115KV'	18.46434	0.01122	-0.09459	12
WEPL	'CLIFTON 115KV'	70	-0.08337	WEPL	'RUSSELL 115KV'	19.4	0.01217	-0.09554	12
WEPL	'CLIFTON 115KV'	70	-0.08337	WEPL	'SPEARVILLE WIND 34KV'	101	0.01138	-0.09475	12
WERE	'GETTY 69KV'	35	-0.00233	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.06457	17
WERE	'GETTY 69KV'	35	-0.00233	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.06268	18
WERE	'GETTY 69KV'	35	-0.00233	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05937	19
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05651	20
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05651	20
WERE	'CITY OF FREDONIA 69KV'	10.294	0.0052	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05704	20
WERE	'CITY OF FREDONIA 69KV'	10.294	0.0052	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.05515	20
WERE	'CITY OF GIRARD 69KV'	9.21	0.00635	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05589	20
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.0561	20
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00689	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05535	20
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00637	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05587	20
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.05462	21
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.05462	21
WERE	'CITY OF GIRARD 69KV'	9.21	0.00635	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.054	21
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.05421	21
WERE	'CITY OF MULVANE 69KV'	11.999	0.00831	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05393	21
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00689	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.05346	21
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00936	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05288	21
WERE	'GILL ENERGY CENTER 69KV'	118	0.00914	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.0531	21
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00637	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.05398	21
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05131	22
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05131	22
WERE	'CITY OF FREDONIA 69KV'	10.294	0.0052	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05184	22
WERE	'CITY OF GIRARD 69KV'	9.21	0.00635	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05069	22
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.0509	22
WERE	'CITY OF MULVANE 69KV'	11.999	0.00831	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.05204	22
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00689	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05015	22
WERE	'EVANS ENERGY CENTER 138KV'	313	0.0107	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05154	22
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00936	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.05099	22
WERE	'GILL ENERGY CENTER 69KV'	118	0.00914	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.05121	22
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00637	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05067	22
WERE	'CITY OF MULVANE 69KV'	11.999	0.00831	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.04873	23
WERE	'EVANS ENERGY CENTER 138KV'	313	0.0107	WERE	'TECUMSEH ENERGY CENTER 115KV'	110.092	0.06035	-0.04965	23
WERE	'GILL ENERGY CENTER 69KV'	118	0.00914	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.0479	23
WERE	'EVANS ENERGY CENTER 138KV'	313	0.0107	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.04634	24
WERE	'GETTY 69KV'	35	-0.00233	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.04614	24
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00936	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.04768	24
WERE	'GETTY 69KV'	35	-0.00233	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.04073	28
WERE	'GETTY 69KV'	35	-0.00233	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03978	28
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03808	29
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03808	29
WERE	'CITY OF FREDONIA 69KV'	10.294	0.0052	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03861	29
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03767	30
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00689	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03692	30
WERE	'GETTY 69KV'	35	-0.00233	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.03507	-0.0374	30
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00637	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03744	30
WERE	'CITY OF MULVANE 69KV'	11.999	0.00831	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.0355	32
WERE	'GILL ENERGY CENTER 69KV'	118	0.00914	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03467	32
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00936	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03445	33
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.03267	34
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.03267	34
WERE	'EVANS ENERGY CENTER 138KV'	313	0.0107	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03311	34
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03172	35
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03172	35
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.03226	35

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

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

Upgrade: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Limiting Facility: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Direction: To->From
Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
Flowgate: 571525716515676556772113O8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.3	1.1
1034590	0.8	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'CHANUTE 69KV'	34.903	0.00572	-0.65571	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'CITY OF AUGUSTA 69KV'	24.3	0.0021	-0.65209	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00989	-0.65988	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'CITY OF GIRARD 69KV'	1.412	0.00635	-0.65634	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'CITY OF IOLA 69KV'	19.902	0.00613	-0.65612	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'CITY OF MULVANE 69KV'	3.921	0.00833	-0.65832	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.0081	-0.65809	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'CITY OF WINFIELD 69KV'	15.81898	0.00691	-0.6569	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00989	-0.65988	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'EVANS ENERGY CENTER 138KV'	110	0.01072	-0.66071	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05711	-0.7071	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.7123	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'LAWRENCE ENERGY CENTER 115KV'	31.79688	0.03327	-0.68326	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'LAWRENCE ENERGY CENTER 230KV'	221.2094	0.03567	-0.68566	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'SMOKEY HILLS 34KV'	50	0.03748	-0.68747	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.71038	2
WERE	'HOLTON 115KV'	19.8	-0.64999	WERE	'WACO 138KV'	17.414	0.00952	-0.65951	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05711	-0.35602	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.36122	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'LAWRENCE ENERGY CENTER 115KV'	31.79688	0.03327	-0.33218	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'LAWRENCE ENERGY CENTER 230KV'	221.2094	0.03567	-0.33458	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'SMOKEY HILLS 34KV'	50	0.03748	-0.33639	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.3593	3
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05711	-0.32695	3
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.33215	3
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.33023	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'CHANUTE 69KV'	34.903	0.00572	-0.30463	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'CITY OF AUGUSTA 69KV'	24.3	0.0021	-0.30101	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00989	-0.3088	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'CITY OF GIRARD 69KV'	1.412	0.00635	-0.30526	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'CITY OF IOLA 69KV'	19.902	0.00613	-0.30504	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'CITY OF MULVANE 69KV'	3.921	0.00833	-0.30724	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.0081	-0.30701	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'CITY OF WINFIELD 69KV'	15.81898	0.00691	-0.30582	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00989	-0.3088	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'EVANS ENERGY CENTER 138KV'	110	0.01072	-0.30963	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29891	WERE	'WACO 138KV'	17.414	0.00952	-0.30843	4
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'CHANUTE 69KV'	34.903	0.00572	-0.27556	4
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'CITY OF AUGUSTA 69KV'	24.3	0.0021	-0.27194	4
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00989	-0.27973	4
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'CITY OF GIRARD 69KV'	1.412	0.00635	-0.27619	4
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'CITY OF IOLA 69KV'	19.902	0.00613	-0.27597	4
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'CITY OF MULVANE 69KV'	3.921	0.00833	-0.27817	4
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.0081	-0.27794	4
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'CITY OF WINFIELD 69KV'	15.81898	0.00691	-0.27675	4
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00989	-0.27973	4
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'EVANS ENERGY CENTER 138KV'	110	0.01072	-0.28056	4
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'LAWRENCE ENERGY CENTER 115KV'	31.79688	0.03327	-0.30311	4
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'LAWRENCE ENERGY CENTER 230KV'	221.2094	0.03567	-0.30551	4
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'SMOKEY HILLS 34KV'	50	0.03748	-0.30732	4
WERE	'SOUTH SENECA 115KV'	15	-0.26984	WERE	'WACO 138KV'	17.414	0.00952	-0.27936	4
WEPL	'GREENLEAF 115KV'	8.05	-0.12381	WEPL	'GRAY COUNTY WIND FARM 115KV'	100	0.01119	-0.135	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12381	WEPL	'JUDSON LARGE 115KV'	40.65296	0.01119	-0.135	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12381	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	0.0207	-0.14451	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12381	WEPL	'PLAINVILLE 115KV'	5.25	0.01679	-0.1406	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12381	WEPL	'RUSSELL 115KV'	19.4	0.01256	-0.13637	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12381	WEPL	'SPEARVILLE WIND 34KV'	101	0.01131	-0.13512	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12381	WEPL	'BELOIT 115KV'	6.250004	-0.01146	-0.11235	10
WEPL	'CLIFTON 115KV'	70	-0.08296	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	0.0207	-0.10366	11
WEPL	'CLIFTON 115KV'	70	-0.08296	WEPL	'PLAINVILLE 115KV'	5.25	0.01679	-0.09975	11
WEPL	'CLIFTON 115KV'	70	-0.08296	WEPL	'RUSSELL 115KV'	19.4	0.01256	-0.09552	11
WEPL	'CLIFTON 115KV'	70	-0.08296	WEPL	'GRAY COUNTY WIND FARM 115KV'	100	0.01119	-0.09415	12
WEPL	'CLIFTON 115KV'	70	-0.08296	WEPL	'JUDSON LARGE 115KV'	40.65296	0.01119	-0.09415	12
WEPL	'CLIFTON 115KV'	70	-0.08296	WEPL	'SPEARVILLE WIND 34KV'	101	0.01131	-0.09427	12
WEPL	'CLIFTON 115KV'	70	-0.08296	WEPL	'BELOIT 115KV'	6.250004	-0.01146	-0.0715	15
WERE	'GETTY 69KV'	35	-0.0023	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.06461	17
WERE	'GETTY 69KV'	35	-0.0023	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05711	-0.05941	18
WERE	'GETTY 69KV'	35	-0.0023	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.06269	18
WERE	'CHANUTE 69KV'	45.697	0.00572	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.05659	19
WERE	'CITY OF ERIE 69KV'	26.53	0.00572	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.05659	19
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00521	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.0571	19
WERE	'CHANUTE 69KV'	45.697	0.00572	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.05467	20
WERE	'CITY OF ERIE 69KV'	26.53	0.00572	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.05467	20
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00521	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.05518	20
WERE	'CITY OF GIRARD 69KV'	9.288	0.00635	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.05596	20
WERE	'CITY OF GIRARD 69KV'	9.288	0.00635	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.05404	20
WERE	'CITY OF IOLA 69KV'	17.726	0.00613	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.05618	20
WERE	'CITY OF IOLA 69KV'	17.726	0.00613	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.05426	20
WERE	'CITY OF MULVANE 69KV'	11.869	0.00833	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.05398	20
WERE	'CITY OF WINFIELD 69KV'	24.18102	0.00691	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.0554	20
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00638	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.05593	20
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00638	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.05401	20
WERE	'CHANUTE 69KV'	45.697	0.00572	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05711	-0.05139	21
WERE	'CITY OF ERIE 69KV'	26.53	0.00572	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05711	-0.05139	21
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00521	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05711	-0.0519	21
WERE	'CITY OF MULVANE 69KV'	11.869	0.00833	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.05206	21
WERE	'CITY OF WINFIELD 69KV'	24.18102	0.00691	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.05348	21
WERE	'EVANS ENERGY CENTER 138KV'	837	0.01072	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.05159	21
WERE	'GILL ENERGY CENTER 138KV'	218	0.00938	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.05293	21
WERE	'GILL ENERGY CENTER 69KV'	118	0.00916	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06231	-0.05315	21
WERE	'GILL ENERGY CENTER 69KV'	118	0.00916	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.05123	21
WERE	'CITY OF GIRARD 69KV'	9.288	0.00635	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05711	-0.05076	22
WERE	'CITY OF IOLA 69KV'	17.726	0.00613	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05711	-0.05098	22
WERE	'CITY OF MULVANE 69KV'	11.869	0.00833	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05711	-0.04878	22
WERE	'CITY OF WINFIELD 69KV'	24.18102	0.00691	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05711	-0.0502	22
WERE	'EVANS ENERGY CENTER 138KV'	837	0.01072	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.04967	22
WERE	'GILL ENERGY CENTER 138KV'	218	0.00938	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.06039	-0.05101	22
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00638	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05711	-0.05073	22
WERE	'GILL ENERGY CENTER 138KV'	218	0.00938	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05711	-0.04773	23
WERE	'GILL ENERGY CENTER 69KV'	118	0.00916	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05711	-0.04795	23

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

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

Upgrade: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Limiting Facility: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Direction: To->From
Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
Flowgate: 571525716515676556772114O7FA
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
1034589	0.3	1.1
1034590	0.8	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'HOLTON 115KV'	19.8	-0.65024	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04371	-0.69395	2
WERE	'HOLTON 115KV'	19.8	-0.65024	WERE	'HUTCHINSON ENERGY CENTER 115KV'	81.40109	0.03496	-0.6852	2
WERE	'HOLTON 115KV'	19.8	-0.65024	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05694	-0.70718	2
WERE	'HOLTON 115KV'	19.8	-0.65024	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.71238	2
WERE	'HOLTON 115KV'	19.8	-0.65024	WERE	'SMOKEY HILLS 34KV'	50	0.03734	-0.68758	2
WERE	'HOLTON 115KV'	19.8	-0.65024	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.71049	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.29927	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04371	-0.34298	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29927	WERE	'HUTCHINSON ENERGY CENTER 115KV'	81.40109	0.03496	-0.33423	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29927	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05694	-0.35621	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29927	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.36141	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29927	WERE	'SMOKEY HILLS 34KV'	50	0.03734	-0.33661	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29927	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.35952	3
WERE	'SOUTH SENECA 115KV'	15	-0.27023	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04371	-0.31394	3
WERE	'SOUTH SENECA 115KV'	15	-0.27023	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05694	-0.32717	3
WERE	'SOUTH SENECA 115KV'	15	-0.27023	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.33237	3
WERE	'SOUTH SENECA 115KV'	15	-0.27023	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.33048	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29927	WERE	'CITY OF AUGUSTA 69KV'	24.3	0.00204	-0.30131	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29927	WERE	'CITY OF MULVANE 69KV'	4.891	0.00828	-0.30755	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29927	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.00806	-0.30733	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29927	WERE	'CITY OF WINFIELD 69KV'	6.327995	0.00688	-0.30615	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29927	WERE	'EVANS ENERGY CENTER 138KV'	305	0.01067	-0.30994	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29927	WERE	'GILL ENERGY CENTER 138KV'	155	0.00933	-0.3086	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29927	WERE	'WACO 138KV'	17.946	0.00947	-0.30874	4
WERE	'SOUTH SENECA 115KV'	15	-0.27023	WERE	'CITY OF MULVANE 69KV'	4.891	0.00828	-0.27851	4
WERE	'SOUTH SENECA 115KV'	15	-0.27023	WERE	'EVANS ENERGY CENTER 138KV'	305	0.01067	-0.2809	4
WERE	'SOUTH SENECA 115KV'	15	-0.27023	WERE	'GILL ENERGY CENTER 138KV'	155	0.00933	-0.27956	4
WERE	'SOUTH SENECA 115KV'	15	-0.27023	WERE	'HUTCHINSON ENERGY CENTER 115KV'	81.40109	0.03496	-0.30519	4
WERE	'SOUTH SENECA 115KV'	15	-0.27023	WERE	'SMOKEY HILLS 34KV'	50	0.03734	-0.30757	4
WERE	'SOUTH SENECA 115KV'	15	-0.27023	WERE	'WACO 138KV'	17.946	0.00947	-0.2797	4
WEPL	'GREENLEAF 115KV'	8.05	-0.12434	WEPL	'NORTH WEST GREAT BEND 115KV'	3.150004	0.02055	-0.14489	7
WEPL	'GREENLEAF 115KV'	8.05	-0.12434	WEPL	'GRAY COUNTY WIND FARM 115KV'	100	0.01108	-0.13542	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12434	WEPL	'JUDSON LARGE 115KV'	33.03976	0.01108	-0.13542	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12434	WEPL	'PLAINVILLE 115KV'	5.25	0.016	-0.14034	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12434	WEPL	'RUSSELL 115KV'	19.4	0.01204	-0.13638	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12434	WEPL	'SPEARVILLE WIND 34KV'	101	0.01123	-0.13557	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12434	WEPL	'BELOIT 115KV'	4.85	-0.01226	-0.11208	10
WEPL	'CLIFTON 115KV'	70	-0.08353	WEPL	'GRAY COUNTY WIND FARM 115KV'	100	0.01108	-0.09461	11
WEPL	'CLIFTON 115KV'	70	-0.08353	WEPL	'JUDSON LARGE 115KV'	33.03976	0.01108	-0.09461	11
WEPL	'CLIFTON 115KV'	70	-0.08353	WEPL	'PLAINVILLE 115KV'	5.25	0.016	-0.09953	11
WEPL	'CLIFTON 115KV'	70	-0.08353	WEPL	'RUSSELL 115KV'	19.4	0.01204	-0.09557	11
WEPL	'CLIFTON 115KV'	70	-0.08353	WEPL	'SPEARVILLE WIND 34KV'	101	0.01123	-0.09476	11
WERE	'GETTY 69KV'	35	-0.00236	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.0645	17
WERE	'GETTY 69KV'	35	-0.00236	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.06261	17
WERE	'GETTY 69KV'	35	-0.00236	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05694	-0.0593	18
WERE	'CHANUTE 69KV'	24.304	0.00574	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.0564	19
WERE	'CITY OF ERIE 69KV'	26.53	0.00574	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.0564	19
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00521	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.05693	19
WERE	'CITY OF GIRARD 69KV'	8.909	0.00637	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.05577	19
WERE	'CITY OF IOLA 69KV'	13.372	0.00615	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.05599	19
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00639	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.05575	19
WERE	'CHANUTE 69KV'	24.304	0.00574	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.05451	20
WERE	'CITY OF ERIE 69KV'	26.53	0.00574	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.05451	20
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00521	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.05504	20
WERE	'CITY OF GIRARD 69KV'	8.909	0.00637	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.05388	20
WERE	'CITY OF IOLA 69KV'	13.372	0.00615	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.0541	20
WERE	'CITY OF MULVANE 69KV'	10.899	0.00828	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.05386	20
WERE	'CITY OF WINFIELD 69KV'	33.672	0.00688	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.05526	20
WERE	'CITY OF WINFIELD 69KV'	33.672	0.00688	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.05337	20
WERE	'GILL ENERGY CENTER 69KV'	118	0.00911	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.05303	20
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00639	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.05386	20
WERE	'CITY OF ERIE 69KV'	26.53	0.00574	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05694	-0.0512	21
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00521	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05694	-0.05173	21
WERE	'CITY OF GIRARD 69KV'	8.909	0.00637	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05694	-0.05057	21
WERE	'CITY OF IOLA 69KV'	13.372	0.00615	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05694	-0.05079	21
WERE	'CITY OF MULVANE 69KV'	10.899	0.00828	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.05197	21
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01067	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.05147	21
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00933	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06214	-0.05281	21
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00933	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.05092	21
WERE	'GILL ENERGY CENTER 69KV'	118	0.00911	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.05114	21
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00639	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05694	-0.05055	21
WERE	'CITY OF MULVANE 69KV'	10.899	0.00828	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05694	-0.04866	22
WERE	'CITY OF WINFIELD 69KV'	33.672	0.00688	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05694	-0.05006	22
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01067	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.06025	-0.04958	22
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01067	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05694	-0.04627	23
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00933	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05694	-0.04761	23
WERE	'GILL ENERGY CENTER 69KV'	118	0.00911	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05694	-0.04783	23
WERE	'GETTY 69KV'	35	-0.00236	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04371	-0.04607	24
WERE	'GETTY 69KV'	35	-0.00236	WERE	'SMOKEY HILLS 34KV'	50	0.03734	-0.0397	27
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00521	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04371	-0.0385	28
WERE	'CITY OF IOLA 69KV'	13.372	0.00615	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04371	-0.03756	29
WERE	'CITY OF WINFIELD 69KV'	33.672	0.00688	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04371	-0.03683	29
WERE	'GETTY 69KV'	35	-0.00236	WERE	'HUTCHINSON ENERGY CENTER 115KV'	81.40109	0.03496	-0.03732	29
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00639	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04371	-0.03732	29
WERE	'CITY OF MULVANE 69KV'	10.899	0.00828	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04371	-0.03543	31
WERE	'GILL ENERGY CENTER 69KV'	118	0.00911	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04371	-0.0346	31
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00933	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04371	-0.03438	32
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01067	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04371	-0.03304	33
WERE	'CITY OF IOLA 69KV'	13.372	0.00615	WERE	'SMOKEY HILLS 34KV'	50	0.03734	-0.03119	35
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00639	WERE	'SMOKEY HILLS 34KV'	50	0.03734	-0.03095	35
WERE	'CITY OF WINFIELD 69KV'	33.672	0.00688	WERE	'SMOKEY HILLS 34KV'	50	0.03734	-0.03046	36

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

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

Upgrade: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Limiting Facility: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Direction: To->From
Line Outage: IATAN - ST JOE 345KV CKT 1
Flowgate: 571525716515798259199143O6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.2	0.6
1034590	0.5	0.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'HOLTON 115KV'	19.8	-0.66755	WERE	'CHANUTE 69KV'	35.344	0.00764	-0.67519	1
WERE	'HOLTON 115KV'	19.8	-0.66755	WERE	'CITY OF AUGUSTA 69KV'	18.8	0.00165	-0.6692	1
WERE	'HOLTON 115KV'	19.8	-0.66755	WERE	'CITY OF BURLINGTON 69KV'	5.4	0.01229	-0.67984	1
WERE	'HOLTON 115KV'	19.8	-0.66755	WERE	'CITY OF GIRARD 69KV'	1.493	0.00845	-0.676	1
WERE	'HOLTON 115KV'	19.8	-0.66755	WERE	'CITY OF IOLA 69KV'	13.978	0.00836	-0.67591	1
WERE	'HOLTON 115KV'	19.8	-0.66755	WERE	'CITY OF MULVANE 69KV'	3.694	0.00775	-0.6753	1
WERE	'HOLTON 115KV'	19.8	-0.66755	WERE	'CITY OF WELLINGTON 69KV'	29.148	0.0075	-0.67505	1
WERE	'HOLTON 115KV'	19.8	-0.66755	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.01229	-0.67984	1
WERE	'HOLTON 115KV'	19.8	-0.66755	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00968	-0.67723	1
WERE	'HOLTON 115KV'	19.8	-0.66755	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03802	-0.70557	1
WERE	'HOLTON 115KV'	19.8	-0.66755	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.70847	1
WERE	'HOLTON 115KV'	19.8	-0.66755	WERE	'LAWRENCE ENERGY CENTER 230KV'	180.7032	0.03438	-0.70193	1
WERE	'HOLTON 115KV'	19.8	-0.66755	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.71689	1
WERE	'HOLTON 115KV'	19.8	-0.66755	WERE	'WACO 138KV'	17.953	0.00856	-0.67611	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.30998	WERE	'CHANUTE 69KV'	35.344	0.00764	-0.31762	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.30998	WERE	'CITY OF AUGUSTA 69KV'	18.8	0.00165	-0.31163	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.30998	WERE	'CITY OF BURLINGTON 69KV'	5.4	0.01229	-0.32227	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.30998	WERE	'CITY OF GIRARD 69KV'	1.493	0.00845	-0.31843	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.30998	WERE	'CITY OF IOLA 69KV'	13.978	0.00836	-0.31834	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.30998	WERE	'CITY OF MULVANE 69KV'	3.694	0.00775	-0.31773	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.30998	WERE	'CITY OF WELLINGTON 69KV'	29.148	0.0075	-0.31748	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.30998	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.01229	-0.32227	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.30998	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00968	-0.31966	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.30998	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03802	-0.348	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.30998	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.3509	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.30998	WERE	'LAWRENCE ENERGY CENTER 230KV'	180.7032	0.03438	-0.34436	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.30998	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.35932	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.30998	WERE	'WACO 138KV'	17.953	0.00856	-0.31854	2
WERE	'SOUTH SENECA 115KV'	15	-0.28133	WERE	'CHANUTE 69KV'	35.344	0.00764	-0.28897	2
WERE	'SOUTH SENECA 115KV'	15	-0.28133	WERE	'CITY OF AUGUSTA 69KV'	18.8	0.00165	-0.28298	2
WERE	'SOUTH SENECA 115KV'	15	-0.28133	WERE	'CITY OF BURLINGTON 69KV'	5.4	0.01229	-0.29362	2
WERE	'SOUTH SENECA 115KV'	15	-0.28133	WERE	'CITY OF GIRARD 69KV'	1.493	0.00845	-0.28978	2
WERE	'SOUTH SENECA 115KV'	15	-0.28133	WERE	'CITY OF IOLA 69KV'	13.978	0.00836	-0.28969	2
WERE	'SOUTH SENECA 115KV'	15	-0.28133	WERE	'CITY OF MULVANE 69KV'	3.694	0.00775	-0.28908	2
WERE	'SOUTH SENECA 115KV'	15	-0.28133	WERE	'CITY OF WELLINGTON 69KV'	29.148	0.0075	-0.28883	2
WERE	'SOUTH SENECA 115KV'	15	-0.28133	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.01229	-0.29362	2
WERE	'SOUTH SENECA 115KV'	15	-0.28133	WERE	'EVANS ENERGY CENTER 138KV'	55	0.00968	-0.29101	2
WERE	'SOUTH SENECA 115KV'	15	-0.28133	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03802	-0.31935	2
WERE	'SOUTH SENECA 115KV'	15	-0.28133	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.32225	2
WERE	'SOUTH SENECA 115KV'	15	-0.28133	WERE	'LAWRENCE ENERGY CENTER 230KV'	180.7032	0.03438	-0.31571	2
WERE	'SOUTH SENECA 115KV'	15	-0.28133	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.33067	2
WERE	'SOUTH SENECA 115KV'	15	-0.28133	WERE	'WACO 138KV'	17.953	0.00856	-0.28989	2
WEPL	'GREENLEAF 115KV'	10.15	-0.13742	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	22.81527	0.00895	-0.14637	4
WEPL	'GREENLEAF 115KV'	10.15	-0.13742	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	0.00362	-0.14104	5
WEPL	'GREENLEAF 115KV'	10.15	-0.13742	WEPL	'JUDSON LARGE 115KV'	45.95631	0.00363	-0.14105	5
WEPL	'CLIFTON 115KV'	70	-0.09717	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	22.81527	0.00895	-0.10612	6
WEPL	'CLIFTON 115KV'	70	-0.09717	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	0.00362	-0.10079	6
WEPL	'CLIFTON 115KV'	70	-0.09717	WEPL	'JUDSON LARGE 115KV'	45.95631	0.00363	-0.1008	6
WERE	'GETTY 69KV'	35	-0.00286	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.0522	12
WERE	'CITY OF AUGUSTA 69KV'	8.54	0.00165	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.04769	13
WERE	'CHANUTE 69KV'	45.256	0.00764	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.0417	15
WERE	'CITY OF ERIE 69KV'	26.53	0.00764	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.0417	15
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00674	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.0426	15
WERE	'CITY OF MULVANE 69KV'	12.096	0.00775	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.04159	15
WERE	'CITY OF WELLINGTON 69KV'	14.352	0.0075	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.04184	15
WERE	'CITY OF WINFIELD 69KV'	40	0.00655	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.04279	15
WERE	'GETTY 69KV'	35	-0.00286	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.04378	15
WERE	'CITY OF AUGUSTA 69KV'	8.54	0.00165	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.03927	16
WERE	'CITY OF GIRARD 69KV'	9.207	0.00845	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.04089	16
WERE	'CITY OF IOLA 69KV'	23.65	0.00836	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.04098	16
WERE	'EVANS ENERGY CENTER 138KV'	738	0.00968	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.03966	16
WERE	'GETTY 69KV'	35	-0.00286	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03802	-0.04088	16
WERE	'GILL ENERGY CENTER 138KV'	218	0.00843	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.04091	16
WERE	'GILL ENERGY CENTER 69KV'	118	0.0083	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.04104	16
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00829	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.04105	16
WERE	'CITY OF BURLINGTON 69KV'	7.1	0.01229	WERE	'TECUMSEH ENERGY CENTER 115KV'	42.80493	0.04934	-0.03705	17
WERE	'GETTY 69KV'	35	-0.00286	WERE	'LAWRENCE ENERGY CENTER 230KV'	180.7032	0.03438	-0.03724	17
WEPL	'BELOIT 115KV'	9.25	-0.02631	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	22.81527	0.00895	-0.03526	18
WERE	'CITY OF AUGUSTA 69KV'	8.54	0.00165	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03802	-0.03637	18
WERE	'CHANUTE 69KV'	45.256	0.00764	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.03328	19
WERE	'CITY OF AUGUSTA 69KV'	8.54	0.00165	WERE	'LAWRENCE ENERGY CENTER 230KV'	180.7032	0.03438	-0.03273	19
WERE	'CITY OF ERIE 69KV'	26.53	0.00764	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.03328	19
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00674	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.03418	19
WERE	'CITY OF MULVANE 69KV'	12.096	0.00775	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.03317	19
WERE	'CITY OF WELLINGTON 69KV'	14.352	0.0075	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.03342	19
WERE	'CITY OF WINFIELD 69KV'	40	0.00655	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.03437	19
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00674	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03802	-0.03128	20
WERE	'CITY OF GIRARD 69KV'	9.207	0.00845	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.03247	20
WERE	'CITY OF IOLA 69KV'	23.65	0.00836	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.03256	20
WERE	'CITY OF WINFIELD 69KV'	40	0.00655	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03802	-0.03147	20
WERE	'EVANS ENERGY CENTER 138KV'	738	0.00968	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.03124	20
WERE	'GILL ENERGY CENTER 138KV'	218	0.00843	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.03249	20
WERE	'GILL ENERGY CENTER 69KV'	118	0.0083	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.03262	20
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00829	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.04092	-0.03263	20
WERE	'CHANUTE 69KV'	45.256	0.00764	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03802	-0.03038	21
WERE	'CITY OF ERIE 69KV'	26.53	0.00764	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03802	-0.03038	21
WERE	'CITY OF MULVANE 69KV'	12.096	0.00775	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03802	-0.03027	21
WERE	'CITY OF WELLINGTON 69KV'	14.352	0.0075	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03802	-0.03052	21

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

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

Upgrade: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Limiting Facility: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Direction: To->From
Line Outage: CONCORDIA - EAST MANHATTAN 230KV CKT 1
Flowgate: 571525716515875856861141076
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
1034589	0.1	0.1
1034590	0.1	0.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'BELOIT 115KV'	9.25	-0.12738	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.705	-0.00588	-0.1215	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32608	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02528	-0.35136	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32608	WERE	'BPU - CITY OF MCPHERSON 115KV'	117.4167	0.01647	-0.34255	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32608	WERE	'CITY OF AUGUSTA 69KV'	24.3	-0.0023	-0.32378	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32608	WERE	'CITY OF MULVANE 69KV'	4.922	0.00389	-0.32997	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32608	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.00386	-0.32994	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32608	WERE	'CITY OF WINFIELD 69KV'	11.44398	0.00305	-0.32913	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32608	WERE	'EVANS ENERGY CENTER 138KV'	340	0.00585	-0.33193	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32608	WERE	'GILL ENERGY CENTER 138KV'	155	0.00443	-0.33051	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32608	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.01309	-0.33917	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32608	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.36118	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32608	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.36162	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32608	WERE	'SMOKEY HILLS 34KV'	50	0.0141	-0.34018	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32608	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.36981	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32608	WERE	'WACO 138KV'	18	0.00457	-0.33065	1
WEPL	'CLIFTON 115KV'	70	-0.18757	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.705	-0.00588	-0.18169	1
WEPL	'CLIFTON 115KV'	70	-0.18757	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.00442	-0.18315	1
WEPL	'CLIFTON 115KV'	70	-0.18757	WEPL	'JUDSON LARGE 115KV'	84.02415	-0.0044	-0.18317	1
WEPL	'GREENLEAF 115KV'	10.15	-0.21377	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.705	-0.00588	-0.20789	1
WEPL	'GREENLEAF 115KV'	10.15	-0.21377	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.00442	-0.20935	1
WEPL	'GREENLEAF 115KV'	10.15	-0.21377	WEPL	'JUDSON LARGE 115KV'	84.02415	-0.0044	-0.20937	1
WERE	'HOLTON 115KV'	19.8	-0.67873	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02528	-0.70401	1
WERE	'HOLTON 115KV'	19.8	-0.67873	WERE	'BPU - CITY OF MCPHERSON 115KV'	117.4167	0.01647	-0.6952	1
WERE	'HOLTON 115KV'	19.8	-0.67873	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.01309	-0.69182	1
WERE	'HOLTON 115KV'	19.8	-0.67873	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.71383	1
WERE	'HOLTON 115KV'	19.8	-0.67873	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.71427	1
WERE	'HOLTON 115KV'	19.8	-0.67873	WERE	'SMOKEY HILLS 34KV'	50	0.0141	-0.69283	1
WERE	'HOLTON 115KV'	19.8	-0.67873	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.72246	1
WEPL	'SMITH CENTER 115KV'	5.35	-0.09189	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.705	-0.00588	-0.08601	1
WEPL	'SMITH CENTER 115KV'	5.35	-0.09189	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.00442	-0.08747	1
WEPL	'SMITH CENTER 115KV'	5.35	-0.09189	WEPL	'JUDSON LARGE 115KV'	84.02415	-0.0044	-0.08749	1
WERE	'SOUTH SENECA 115KV'	15	-0.30743	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02528	-0.33271	1
WERE	'SOUTH SENECA 115KV'	15	-0.30743	WERE	'BPU - CITY OF MCPHERSON 115KV'	117.4167	0.01647	-0.3239	1
WERE	'SOUTH SENECA 115KV'	15	-0.30743	WERE	'CITY OF MULVANE 69KV'	4.922	0.00389	-0.31132	1
WERE	'SOUTH SENECA 115KV'	15	-0.30743	WERE	'EVANS ENERGY CENTER 138KV'	340	0.00585	-0.31328	1
WERE	'SOUTH SENECA 115KV'	15	-0.30743	WERE	'GILL ENERGY CENTER 138KV'	155	0.00443	-0.31186	1
WERE	'SOUTH SENECA 115KV'	15	-0.30743	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.01309	-0.32052	1
WERE	'SOUTH SENECA 115KV'	15	-0.30743	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.34253	1
WERE	'SOUTH SENECA 115KV'	15	-0.30743	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.34297	1
WERE	'SOUTH SENECA 115KV'	15	-0.30743	WERE	'SMOKEY HILLS 34KV'	50	0.0141	-0.32153	1
WERE	'SOUTH SENECA 115KV'	15	-0.30743	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.35116	1
WERE	'SOUTH SENECA 115KV'	15	-0.30743	WERE	'WACO 138KV'	18	0.00457	-0.312	1
WERE	'CHANUTE 69KV'	40.21	0.00483	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.0389	2
WERE	'CITY OF AUGUSTA 69KV'	3.04	-0.0023	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.0374	2
WERE	'CITY OF AUGUSTA 69KV'	3.04	-0.0023	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.03784	2
WERE	'CITY OF AUGUSTA 69KV'	3.04	-0.0023	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.04603	2
WERE	'CITY OF BURLINGTON 69KV'	2	0.00847	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.03526	2
WERE	'CITY OF ERIE 69KV'	26.53	0.00483	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.0389	2
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00388	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.03985	2
WERE	'CITY OF GIRARD 69KV'	8.174	0.00593	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.0378	2
WERE	'CITY OF IOLA 69KV'	20.548	0.00557	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.03816	2
WERE	'CITY OF MULVANE 69KV'	10.868	0.00389	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.03984	2
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00413	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.0396	2
WERE	'CITY OF WELLINGTON 69KV'	4	0.00386	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.03987	2
WERE	'CITY OF WINFIELD 69KV'	28.55602	0.00305	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.04068	2
WERE	'EVANS ENERGY CENTER 138KV'	313	0.00585	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.03788	2
WERE	'GETTY 69KV'	35	-0.00694	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.04204	2
WERE	'GETTY 69KV'	35	-0.00694	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.04248	2
WERE	'GETTY 69KV'	35	-0.00694	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.05067	2
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00443	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.0393	2
WERE	'GILL ENERGY CENTER 69KV'	118	0.00436	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.03937	2
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00558	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.03815	2
WERE	'OXFORD 138KV'	3	0.00363	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.0401	2
WERE	'ST JOHN 115KV'	2.9	0.00053	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.03501	2
WERE	'ST JOHN 115KV'	2.9	0.00053	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.0432	2
WERE	'CHANUTE 69KV'	40.21	0.00483	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.03027	3
WERE	'CHANUTE 69KV'	40.21	0.00483	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.03071	3
WERE	'CITY OF ERIE 69KV'	26.53	0.00483	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.03027	3
WERE	'CITY OF ERIE 69KV'	26.53	0.00483	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.03071	3
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00388	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.03122	3
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00388	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.03166	3
WERE	'CITY OF MULVANE 69KV'	10.868	0.00389	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.03121	3
WERE	'CITY OF MULVANE 69KV'	10.868	0.00389	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.03165	3
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00413	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.03097	3
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00413	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.03141	3
WERE	'CITY OF WELLINGTON 69KV'	4	0.00386	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.03124	3
WERE	'CITY OF WELLINGTON 69KV'	4	0.00386	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.03168	3
WERE	'CITY OF WINFIELD 69KV'	28.55602	0.00305	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.03205	3
WERE	'CITY OF WINFIELD 69KV'	28.55602	0.00305	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.03249	3
WERE	'GETTY 69KV'	35	-0.00694	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02528	-0.03222	3
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00443	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.03067	3
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00443	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.03111	3
WERE	'GILL ENERGY CENTER 69KV'	118	0.00436	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.03074	3
WERE	'GILL ENERGY CENTER 69KV'	118	0.00436	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.03118	3
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.01309	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.03064	3
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.01307	WERE	'TECUMSEH ENERGY CENTER 115KV'	68.00001	0.04373	-0.03066	3
WERE	'OXFORD 138KV'	3	0.00363	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.03147	3
WERE	'OXFORD 138KV'	3	0.00363	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03554	-0.03191	3
WEPL	'RUSSELL 115KV'	27.9	-0.03782	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.705	-0.00588	-0.03194	3
WEPL	'RUSSELL 115KV'	27.9	-0.03782	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.00442	-0.0334	3
WEPL	'RUSSELL 115KV'	27.9	-0.03782	WEPL	'JUDSON LARGE 115KV'	84.02415	-0.0044	-0.03342	3
WERE	'ST JOHN 115KV'	2.9	0.00053	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0351	-0.03457	3

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

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

Upgrade: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Limiting Facility: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Direction: To->From
Line Outage: CONCORDIA - EAST MANHATTAN 230KV CKT 1
Flowgate: 571525716515875856861142O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.1	0.3
1034590	0.2	0.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02518	-0.3511	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'BPU - CITY OF MCPHERSON 115KV'	117.281	0.01647	-0.34239	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'CITY OF AUGUSTA 69KV'	24.09998	-0.00242	-0.3235	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'CITY OF MULVANE 69KV'	3.791	0.00383	-0.32975	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.00382	-0.32974	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'CITY OF WINFIELD 69KV'	5.32	0.00297	-0.32889	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'EVANS ENERGY CENTER 138KV'	340	0.00579	-0.33171	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'GILL ENERGY CENTER 138KV'	155	0.00438	-0.3303	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.01316	-0.33908	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.36095	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.36139	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'SMOKEY HILLS 34KV'	100	0.01363	-0.33955	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.36959	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'WACO 138KV'	17.93	0.00452	-0.33044	1
WEPL	'GREENLEAF 115KV'	8.05	-0.21358	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.00412	-0.20946	1
WEPL	'GREENLEAF 115KV'	8.05	-0.21358	WEPL	'JUDSON LARGE 115KV'	34.36028	-0.00411	-0.20947	1
WEPL	'GREENLEAF 115KV'	8.05	-0.21358	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	-0.00529	-0.20829	1
WERE	'HOLTON 115KV'	19.8	-0.67868	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02518	-0.70386	1
WERE	'HOLTON 115KV'	19.8	-0.67868	WERE	'BPU - CITY OF MCPHERSON 115KV'	117.281	0.01647	-0.69515	1
WERE	'HOLTON 115KV'	19.8	-0.67868	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.01316	-0.69184	1
WERE	'HOLTON 115KV'	19.8	-0.67868	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.71371	1
WERE	'HOLTON 115KV'	19.8	-0.67868	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.71415	1
WERE	'HOLTON 115KV'	19.8	-0.67868	WERE	'SMOKEY HILLS 34KV'	100	0.01363	-0.69231	1
WERE	'HOLTON 115KV'	19.8	-0.67868	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.72235	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02518	-0.33244	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'BPU - CITY OF MCPHERSON 115KV'	117.281	0.01647	-0.32373	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'CITY OF MULVANE 69KV'	3.791	0.00383	-0.31109	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'EVANS ENERGY CENTER 138KV'	340	0.00579	-0.31305	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'GILL ENERGY CENTER 138KV'	155	0.00438	-0.31164	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.01316	-0.32042	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.34229	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.34273	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'SMOKEY HILLS 34KV'	100	0.01363	-0.32089	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.35093	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'WACO 138KV'	17.93	0.00452	-0.31178	1
WEPL	'BELOIT 115KV'	3.999996	-0.12717	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.00412	-0.12305	2
WEPL	'BELOIT 115KV'	3.999996	-0.12717	WEPL	'JUDSON LARGE 115KV'	34.36028	-0.00411	-0.12306	2
WEPL	'BELOIT 115KV'	3.999996	-0.12717	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	-0.00529	-0.12188	2
WEPL	'CLIFTON 115KV'	70	-0.18737	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.00412	-0.18325	2
WEPL	'CLIFTON 115KV'	70	-0.18737	WEPL	'JUDSON LARGE 115KV'	34.36028	-0.00411	-0.18326	2
WEPL	'CLIFTON 115KV'	70	-0.18737	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	-0.00529	-0.18208	2
WEPL	'CLIFTON 115KV'	70	-0.18737	WEPL	'PLAINVILLE 115KV'	5.25	-0.02863	-0.15874	2
WEPL	'CLIFTON 115KV'	70	-0.18737	WEPL	'RUSSELL 115KV'	19.4	-0.03736	-0.15001	2
WEPL	'GREENLEAF 115KV'	8.05	-0.21358	WEPL	'PLAINVILLE 115KV'	5.25	-0.02863	-0.18495	2
WEPL	'GREENLEAF 115KV'	8.05	-0.21358	WEPL	'RUSSELL 115KV'	19.4	-0.03736	-0.17622	2
WEPL	'BELOIT 115KV'	3.999996	-0.12717	WEPL	'PLAINVILLE 115KV'	5.25	-0.02863	-0.09854	3
WEPL	'BELOIT 115KV'	3.999996	-0.12717	WEPL	'RUSSELL 115KV'	19.4	-0.03736	-0.08981	3
WEPL	'GREENLEAF 115KV'	8.05	-0.21358	WEPL	'BELOIT 115KV'	5.250004	-0.12717	-0.08641	3
WEPL	'SMITH CENTER 115KV'	5.35	-0.09168	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.00412	-0.08756	3
WEPL	'SMITH CENTER 115KV'	5.35	-0.09168	WEPL	'JUDSON LARGE 115KV'	34.36028	-0.00411	-0.08757	3
WEPL	'SMITH CENTER 115KV'	5.35	-0.09168	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	-0.00529	-0.08639	3
WEPL	'CLIFTON 115KV'	70	-0.18737	WEPL	'BELOIT 115KV'	5.250004	-0.12717	-0.0602	5
WEPL	'SMITH CENTER 115KV'	5.35	-0.09168	WEPL	'PLAINVILLE 115KV'	5.25	-0.02863	-0.06305	5
WERE	'GETTY 69KV'	35	-0.00706	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.05073	6
WEPL	'SMITH CENTER 115KV'	5.35	-0.09168	WEPL	'RUSSELL 115KV'	19.4	-0.03736	-0.05432	6
WERE	'CITY OF AUGUSTA 69KV'	3.24002	-0.00242	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.04609	7
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00297	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.0407	7
WERE	'GETTY 69KV'	35	-0.00706	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.04209	7
WERE	'GETTY 69KV'	35	-0.00706	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.04253	7
WERE	'ST JOHN 115KV'	2.9	0.00088	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.04279	7
WERE	'CHANUTE 69KV'	45.782	0.00472	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03895	8
WERE	'CITY OF AUGUSTA 69KV'	3.24002	-0.00242	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03745	8
WERE	'CITY OF AUGUSTA 69KV'	3.24002	-0.00242	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03789	8
WERE	'CITY OF ERIE 69KV'	26.53	0.00472	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03895	8
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00378	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03989	8
WERE	'CITY OF GIRARD 69KV'	9.21	0.00581	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03786	8
WERE	'CITY OF IOLA 69KV'	23.063	0.00547	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.0382	8
WERE	'CITY OF MULVANE 69KV'	11.999	0.00383	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03984	8
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00402	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03965	8
WERE	'CITY OF WELLINGTON 69KV'	4	0.00382	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03985	8
WERE	'EVANS ENERGY CENTER 138KV'	313	0.00579	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03788	8
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00438	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03929	8
WERE	'GILL ENERGY CENTER 69KV'	118	0.0043	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03937	8
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00547	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.0382	8
WERE	'OXFORD 138KV'	3	0.00357	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.0401	8
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00297	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03206	9
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00297	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.0325	9
WERE	'GETTY 69KV'	35	-0.00706	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02518	-0.03224	9
WERE	'OXFORD 138KV'	3	0.00357	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.0319	9
WEPL	'RUSSELL 115KV'	8.5	-0.03736	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.00412	-0.03324	9
WEPL	'RUSSELL 115KV'	8.5	-0.03736	WEPL	'JUDSON LARGE 115KV'	34.36028	-0.00411	-0.03325	9
WEPL	'RUSSELL 115KV'	8.5	-0.03736	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	-0.00529	-0.03207	9
WERE	'CHANUTE 69KV'	45.782	0.00472	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03031	10
WERE	'CHANUTE 69KV'	45.782	0.00472	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03075	10
WERE	'CITY OF ERIE 69KV'	26.53	0.00472	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03031	10
WERE	'CITY OF ERIE 69KV'	26.53	0.00472	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03075	10
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00378	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03125	10
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00378	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03169	10
WERE	'CITY OF IOLA 69KV'	23.063	0.00547	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03	10
WERE	'CITY OF MULVANE 69KV'	11.999	0.00383	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.0312	10
WERE	'CITY OF MULVANE 69KV'	11.999	0.00383	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03164	10
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00402	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03101	10
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00402	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03145	10
WERE	'CITY OF WELLINGTON 69KV'	4	0.00382	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03121	10
WERE	'CITY OF WELLINGTON 69KV'	4	0.00382	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03165	10
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00438	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03065	10
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00438	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03109	10
WERE	'GILL ENERGY CENTER 69KV'	118	0.0043	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03073	10
WERE	'GILL ENERGY CENTER 69KV'	118	0.0043	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03117	10
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.01316	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03051	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

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

Upgrade: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Limiting Facility: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Direction: To->From
Line Outage: CONCORDIA - EAST MANHATTAN 230KV CKT 1
Flowgate: 571525716515875856861144O7FA
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
1034589	0.1	0.2
1034590	0.1	0.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BROWN COUNTY 115KV'	4.3	-0.32621	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02505	-0.35126	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32621	WERE	'CITY OF AUGUSTA 69KV'	24.3	-0.00248	-0.32373	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32621	WERE	'CITY OF MULVANE 69KV'	4.891	0.00378	-0.32999	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32621	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.00377	-0.32998	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32621	WERE	'CITY OF WINFIELD 69KV'	6.327995	0.00293	-0.32914	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32621	WERE	'EVANS ENERGY CENTER 138KV'	306.9133	0.00573	-0.33194	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32621	WERE	'GILL ENERGY CENTER 138KV'	155	0.00432	-0.33053	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32621	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.01302	-0.33923	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32621	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.36111	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32621	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.36155	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32621	WERE	'SMOKEY HILLS 34KV'	100	0.01349	-0.3397	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32621	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.36976	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32621	WERE	'WACO 138KV'	17.946	0.00446	-0.33067	1
WEPL	'CLIFTON 115KV'	70	-0.18761	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	2.102018	-0.00546	-0.18215	1
WEPL	'CLIFTON 115KV'	70	-0.18761	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.0043	-0.18331	1
WEPL	'CLIFTON 115KV'	70	-0.18761	WEPL	'JUDSON LARGE 115KV'	43.89159	-0.00428	-0.18333	1
WEPL	'CLIFTON 115KV'	70	-0.18761	WEPL	'NORTH WEST GREAT BEND 115KV'	3.150004	-0.00546	-0.18215	1
WEPL	'CLIFTON 115KV'	70	-0.18761	WEPL	'PLAINVILLE 115KV'	5.25	-0.02881	-0.1588	1
WEPL	'CLIFTON 115KV'	70	-0.18761	WEPL	'RUSSELL 115KV'	19.4	-0.03755	-0.15006	1
WEPL	'GREENLEAF 115KV'	8.05	-0.21383	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	2.102018	-0.00546	-0.20837	1
WEPL	'GREENLEAF 115KV'	8.05	-0.21383	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.0043	-0.20953	1
WEPL	'GREENLEAF 115KV'	8.05	-0.21383	WEPL	'JUDSON LARGE 115KV'	43.89159	-0.00428	-0.20955	1
WEPL	'GREENLEAF 115KV'	8.05	-0.21383	WEPL	'NORTH WEST GREAT BEND 115KV'	3.150004	-0.00546	-0.20837	1
WEPL	'GREENLEAF 115KV'	8.05	-0.21383	WEPL	'PLAINVILLE 115KV'	5.25	-0.02881	-0.18502	1
WEPL	'GREENLEAF 115KV'	8.05	-0.21383	WEPL	'RUSSELL 115KV'	19.4	-0.03755	-0.17628	1
WERE	'HOLTON 115KV'	19.8	-0.67889	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02505	-0.70394	1
WERE	'HOLTON 115KV'	19.8	-0.67889	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.01302	-0.69191	1
WERE	'HOLTON 115KV'	19.8	-0.67889	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.71379	1
WERE	'HOLTON 115KV'	19.8	-0.67889	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.71423	1
WERE	'HOLTON 115KV'	19.8	-0.67889	WERE	'SMOKEY HILLS 34KV'	100	0.01349	-0.69238	1
WERE	'HOLTON 115KV'	19.8	-0.67889	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.72244	1
WERE	'SOUTH SENECA 115KV'	15	-0.30755	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02505	-0.3326	1
WERE	'SOUTH SENECA 115KV'	15	-0.30755	WERE	'CITY OF MULVANE 69KV'	4.891	0.00378	-0.31133	1
WERE	'SOUTH SENECA 115KV'	15	-0.30755	WERE	'EVANS ENERGY CENTER 138KV'	306.9133	0.00573	-0.31328	1
WERE	'SOUTH SENECA 115KV'	15	-0.30755	WERE	'GILL ENERGY CENTER 138KV'	155	0.00432	-0.31187	1
WERE	'SOUTH SENECA 115KV'	15	-0.30755	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.01302	-0.32057	1
WERE	'SOUTH SENECA 115KV'	15	-0.30755	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.34245	1
WERE	'SOUTH SENECA 115KV'	15	-0.30755	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.34289	1
WERE	'SOUTH SENECA 115KV'	15	-0.30755	WERE	'SMOKEY HILLS 34KV'	100	0.01349	-0.32104	1
WERE	'SOUTH SENECA 115KV'	15	-0.30755	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.3511	1
WERE	'SOUTH SENECA 115KV'	15	-0.30755	WERE	'WACO 138KV'	17.946	0.00446	-0.31201	1
WEPL	'BELOIT 115KV'	4.4	-0.12738	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	2.102018	-0.00546	-0.12192	2
WEPL	'BELOIT 115KV'	4.4	-0.12738	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.0043	-0.12308	2
WEPL	'BELOIT 115KV'	4.4	-0.12738	WEPL	'JUDSON LARGE 115KV'	43.89159	-0.00428	-0.1231	2
WEPL	'BELOIT 115KV'	4.4	-0.12738	WEPL	'NORTH WEST GREAT BEND 115KV'	3.150004	-0.00546	-0.12192	2
WEPL	'BELOIT 115KV'	4.4	-0.12738	WEPL	'PLAINVILLE 115KV'	5.25	-0.02881	-0.09857	2
WEPL	'BELOIT 115KV'	4.4	-0.12738	WEPL	'RUSSELL 115KV'	19.4	-0.03755	-0.08983	2
WEPL	'GREENLEAF 115KV'	8.05	-0.21383	WEPL	'BELOIT 115KV'	4.85	-0.12738	-0.08645	2
WEPL	'SMITH CENTER 115KV'	5.35	-0.09188	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	2.102018	-0.00546	-0.08642	2
WEPL	'SMITH CENTER 115KV'	5.35	-0.09188	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.0043	-0.08758	2
WEPL	'SMITH CENTER 115KV'	5.35	-0.09188	WEPL	'JUDSON LARGE 115KV'	43.89159	-0.00428	-0.0876	2
WEPL	'SMITH CENTER 115KV'	5.35	-0.09188	WEPL	'NORTH WEST GREAT BEND 115KV'	3.150004	-0.00546	-0.08642	2
WEPL	'CLIFTON 115KV'	70	-0.18761	WEPL	'BELOIT 115KV'	4.85	-0.12738	-0.06023	3
WEPL	'SMITH CENTER 115KV'	5.35	-0.09188	WEPL	'PLAINVILLE 115KV'	5.25	-0.02881	-0.06307	3
WERE	'CITY OF AUGUSTA 69KV'	3.04	-0.00248	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.04603	4
WERE	'GETTY 69KV'	35	-0.00712	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.04246	4
WERE	'GETTY 69KV'	35	-0.00712	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.05067	4
WEPL	'SMITH CENTER 115KV'	5.35	-0.09188	WEPL	'RUSSELL 115KV'	19.4	-0.03755	-0.05433	4
WERE	'ST JOHN 115KV'	2.9	0.00073	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.04282	4
WERE	'CHANUTE 69KV'	24.304	0.0047	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.03885	5
WERE	'CITY OF AUGUSTA 69KV'	3.04	-0.00248	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.03738	5
WERE	'CITY OF AUGUSTA 69KV'	3.04	-0.00248	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.03782	5
WERE	'CITY OF BURLINGTON 69KV'	2	0.00834	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.03521	5
WERE	'CITY OF ERIE 69KV'	26.53	0.0047	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.03885	5
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00376	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.03979	5
WERE	'CITY OF GIRARD 69KV'	8.909	0.0058	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.03775	5
WERE	'CITY OF IOLA 69KV'	13.372	0.00544	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.03811	5
WERE	'CITY OF MULVANE 69KV'	10.899	0.00378	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.03977	5
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00401	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.03954	5
WERE	'CITY OF WELLINGTON 69KV'	4	0.00377	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.03978	5
WERE	'CITY OF WINFIELD 69KV'	33.672	0.00293	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.04062	5
WERE	'EVANS ENERGY CENTER 138KV'	436.0867	0.00573	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.03782	5
WERE	'GETTY 69KV'	35	-0.00712	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.04202	5
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00432	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.03923	5
WERE	'GILL ENERGY CENTER 69KV'	118	0.00424	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.03931	5
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00545	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.0381	5
WERE	'OXFORD 138KV'	3	0.00353	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.04002	5
WERE	'CHANUTE 69KV'	24.304	0.0047	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.0302	6
WERE	'CHANUTE 69KV'	24.304	0.0047	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.03064	6
WERE	'CITY OF ERIE 69KV'	26.53	0.0047	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.0302	6
WERE	'CITY OF ERIE 69KV'	26.53	0.0047	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.03064	6
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00376	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.03114	6
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00376	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.03158	6
WERE	'CITY OF MULVANE 69KV'	10.899	0.00378	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.03112	6
WERE	'CITY OF MULVANE 69KV'	10.899	0.00378	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.03156	6
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00401	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.03089	6
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00401	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.03133	6
WERE	'CITY OF WELLINGTON 69KV'	4	0.00377	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.03113	6
WERE	'CITY OF WELLINGTON 69KV'	4	0.00377	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.03157	6
WERE	'CITY OF WINFIELD 69KV'	33.672	0.00293	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.03197	6
WERE	'CITY OF WINFIELD 69KV'	33.672	0.00293	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.03241	6
WERE	'GETTY 69KV'	35	-0.00712	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02505	-0.03217	6
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00432	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.03058	6
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00432	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.03102	6
WERE	'GILL ENERGY CENTER 69KV'	118	0.00424	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.03066	6
WERE	'GILL ENERGY CENTER 69KV'	118	0.00424	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.0311	6
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.01302	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.03053	6
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.01301	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04355	-0.03054	6
WERE	'OXFORD 138KV'	3	0.00353	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0349	-0.03137	6
WERE	'OXFORD 138KV'	3	0.00353	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03534	-0.03181	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: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Limiting Facility: CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1
Direction: To->From
Line Outage: CONCORDIA (CONCORD6) 230/115/13.8KV TRANSFORMER CKT 1
Flowgate: 57152571651CONCNCORD66314207WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.1	0.3
1034590	0.2	0.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02518	-0.3511	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'BPU - CITY OF MCPHERSON 115KV'	117.281	0.01647	-0.34239	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'CITY OF AUGUSTA 69KV'	24.09998	-0.00242	-0.3235	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'CITY OF MULVANE 69KV'	3.791	0.00383	-0.32975	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.00382	-0.32974	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'CITY OF WINFIELD 69KV'	5.32	0.00297	-0.32889	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'EVANS ENERGY CENTER 138KV'	340	0.00579	-0.33171	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'GILL ENERGY CENTER 138KV'	155	0.00438	-0.3303	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.01316	-0.33908	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.36095	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.36139	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'SMOKEY HILLS 34KV'	100	0.01363	-0.33955	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.36959	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.32592	WERE	'WACO 138KV'	17.93	0.00452	-0.33044	1
WEPL	'GREENLEAF 115KV'	8.05	-0.21358	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.00412	-0.20946	1
WEPL	'GREENLEAF 115KV'	8.05	-0.21358	WEPL	'JUDSON LARGE 115KV'	34.36028	-0.00411	-0.20947	1
WEPL	'GREENLEAF 115KV'	8.05	-0.21358	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	-0.00529	-0.20829	1
WERE	'HOLTON 115KV'	19.8	-0.67868	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02518	-0.70386	1
WERE	'HOLTON 115KV'	19.8	-0.67868	WERE	'BPU - CITY OF MCPHERSON 115KV'	117.281	0.01647	-0.69515	1
WERE	'HOLTON 115KV'	19.8	-0.67868	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.01316	-0.69184	1
WERE	'HOLTON 115KV'	19.8	-0.67868	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.71371	1
WERE	'HOLTON 115KV'	19.8	-0.67868	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.71415	1
WERE	'HOLTON 115KV'	19.8	-0.67868	WERE	'SMOKEY HILLS 34KV'	100	0.01363	-0.69231	1
WERE	'HOLTON 115KV'	19.8	-0.67868	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.72235	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02518	-0.33244	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'BPU - CITY OF MCPHERSON 115KV'	117.281	0.01647	-0.32373	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'CITY OF MULVANE 69KV'	3.791	0.00383	-0.31109	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'EVANS ENERGY CENTER 138KV'	340	0.00579	-0.31305	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'GILL ENERGY CENTER 138KV'	155	0.00438	-0.31164	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.01316	-0.32042	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.34229	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.34273	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'SMOKEY HILLS 34KV'	100	0.01363	-0.32089	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.35093	1
WERE	'SOUTH SENECA 115KV'	15	-0.30726	WERE	'WACO 138KV'	17.93	0.00452	-0.31178	1
WEPL	'BELOIT 115KV'	3.999996	-0.12717	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.00412	-0.12305	2
WEPL	'BELOIT 115KV'	3.999996	-0.12717	WEPL	'JUDSON LARGE 115KV'	34.36028	-0.00411	-0.12306	2
WEPL	'BELOIT 115KV'	3.999996	-0.12717	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	-0.00529	-0.12188	2
WEPL	'CLIFTON 115KV'	70	-0.18737	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.00412	-0.18325	2
WEPL	'CLIFTON 115KV'	70	-0.18737	WEPL	'JUDSON LARGE 115KV'	34.36028	-0.00411	-0.18326	2
WEPL	'CLIFTON 115KV'	70	-0.18737	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	-0.00529	-0.18208	2
WEPL	'CLIFTON 115KV'	70	-0.18737	WEPL	'PLAINVILLE 115KV'	5.25	-0.02863	-0.15874	2
WEPL	'CLIFTON 115KV'	70	-0.18737	WEPL	'RUSSELL 115KV'	19.4	-0.03736	-0.15001	2
WEPL	'GREENLEAF 115KV'	8.05	-0.21358	WEPL	'PLAINVILLE 115KV'	5.25	-0.02863	-0.18495	2
WEPL	'GREENLEAF 115KV'	8.05	-0.21358	WEPL	'RUSSELL 115KV'	19.4	-0.03736	-0.17622	2
WEPL	'BELOIT 115KV'	3.999996	-0.12717	WEPL	'PLAINVILLE 115KV'	5.25	-0.02863	-0.09854	3
WEPL	'BELOIT 115KV'	3.999996	-0.12717	WEPL	'RUSSELL 115KV'	19.4	-0.03736	-0.08981	3
WEPL	'GREENLEAF 115KV'	8.05	-0.21358	WEPL	'BELOIT 115KV'	5.250004	-0.12717	-0.08641	3
WEPL	'SMITH CENTER 115KV'	5.35	-0.09168	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.00412	-0.08756	3
WEPL	'SMITH CENTER 115KV'	5.35	-0.09168	WEPL	'JUDSON LARGE 115KV'	34.36028	-0.00411	-0.08757	3
WEPL	'SMITH CENTER 115KV'	5.35	-0.09168	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	-0.00529	-0.08639	3
WEPL	'CLIFTON 115KV'	70	-0.18737	WEPL	'BELOIT 115KV'	5.250004	-0.12717	-0.0602	5
WEPL	'SMITH CENTER 115KV'	5.35	-0.09168	WEPL	'PLAINVILLE 115KV'	5.25	-0.02863	-0.06305	5
WEPL	'SMITH CENTER 115KV'	5.35	-0.09168	WEPL	'RUSSELL 115KV'	19.4	-0.03736	-0.05432	5
WERE	'CITY OF AUGUSTA 69KV'	3.24002	-0.00242	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.04609	6
WERE	'GETTY 69KV'	35	-0.00706	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.05073	6
WERE	'CHANUTE 69KV'	45.782	0.00472	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03895	7
WERE	'CITY OF ERIE 69KV'	26.53	0.00472	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03895	7
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00378	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03989	7
WERE	'CITY OF MULVANE 69KV'	11.999	0.00383	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03984	7
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00402	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03965	7
WERE	'CITY OF WELLINGTON 69KV'	4	0.00382	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03985	7
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00297	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.0407	7
WERE	'GETTY 69KV'	35	-0.00706	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.04209	7
WERE	'GETTY 69KV'	35	-0.00706	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.04253	7
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00438	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03929	7
WERE	'GILL ENERGY CENTER 69KV'	118	0.0043	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03937	7
WERE	'OXFORD 138KV'	3	0.00357	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.0401	7
WERE	'ST JOHN 115KV'	2.9	0.00088	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.04279	7
WERE	'CITY OF AUGUSTA 69KV'	3.24002	-0.00242	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03745	8
WERE	'CITY OF AUGUSTA 69KV'	3.24002	-0.00242	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03789	8
WERE	'CITY OF GIRARD 69KV'	9.21	0.00581	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03786	8
WERE	'CITY OF IOLA 69KV'	23.063	0.00547	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.0382	8
WERE	'EVANS ENERGY CENTER 138KV'	313	0.00579	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03788	8
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00547	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.0382	8
WERE	'ST JOHN 115KV'	2.9	0.00088	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03415	8
WERE	'ST JOHN 115KV'	2.9	0.00088	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03459	8
WERE	'CHANUTE 69KV'	45.782	0.00472	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03075	9
WERE	'CITY OF ERIE 69KV'	26.53	0.00472	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03075	9
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00378	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03125	9
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00378	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03169	9
WERE	'CITY OF MULVANE 69KV'	11.999	0.00383	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.0312	9
WERE	'CITY OF MULVANE 69KV'	11.999	0.00383	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03164	9
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00402	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03101	9
WERE	'CITY OF NEODESHA 69KV'	4.5	0.00402	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03145	9
WERE	'CITY OF WELLINGTON 69KV'	4	0.00382	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03121	9
WERE	'CITY OF WELLINGTON 69KV'	4	0.00382	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03165	9
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00297	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03206	9
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00297	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.0325	9
WERE	'GETTY 69KV'	35	-0.00706	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02518	-0.03224	9
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00438	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03065	9
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00438	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03109	9
WERE	'GILL ENERGY CENTER 69KV'	118	0.0043	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03073	9
WERE	'GILL ENERGY CENTER 69KV'	118	0.0043	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.03117	9
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.01316	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03051	9
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.01315	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.04367	-0.03052	9
WERE	'OXFORD 138KV'	3	0.00357	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03503	-0.03146	9
WERE	'OXFORD 138KV'	3	0.00357	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03547	-0.0319	9
WEPL	'RUSSELL 115KV'	8.5	-0.03736	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.00412	-0.03324	9
WEPL	'RUSSELL 115KV'	8.5	-0.03736	WEPL	'JUDSON LARGE 115KV'	34.36028	-0.00411	-0.03325	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

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

Upgrade: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
Limiting Facility: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
Direction: From->To
Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
Flowgate: 571525733115676556772113O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.3	1.1
1034590	0.8	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.34283	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.33742	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.03507	-0.33409	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.35606	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.36126	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.33647	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.35937	3
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.32703	3
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.33223	3
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.33034	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'CITY OF AUGUSTA 69KV'	24.09998	0.00207	-0.30109	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'CITY OF MULVANE 69KV'	3.791	0.00831	-0.30733	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.00808	-0.3071	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'CITY OF WINFIELD 69KV'	5.32	0.00689	-0.30591	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'EVANS ENERGY CENTER 138KV'	340	0.0107	-0.30972	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'GILL ENERGY CENTER 138KV'	155	0.00936	-0.30838	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'WACO 138KV'	17.93	0.0095	-0.30852	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.3138	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.30839	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'CITY OF MULVANE 69KV'	3.791	0.00831	-0.2783	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'EVANS ENERGY CENTER 138KV'	340	0.0107	-0.28069	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'GILL ENERGY CENTER 138KV'	155	0.00936	-0.27935	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.03507	-0.30506	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.30744	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'WACO 138KV'	17.93	0.0095	-0.27949	4
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	0.02068	-0.14484	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'PLAINVILLE 115KV'	5.25	0.01613	-0.14029	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'RUSSELL 115KV'	19.4	0.01217	-0.13633	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'BELOIT 115KV'	5.250004	-0.01213	-0.11203	10
WEPL	'CLIFTON 115KV'	70	-0.08337	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	0.02068	-0.10405	11
WEPL	'CLIFTON 115KV'	70	-0.08337	WEPL	'PLAINVILLE 115KV'	5.25	0.01613	-0.0995	11
WEPL	'CLIFTON 115KV'	70	-0.08337	WEPL	'RUSSELL 115KV'	19.4	0.01217	-0.09554	12
WERE	'GETTY 69KV'	35	-0.00233	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.06457	17
WERE	'GETTY 69KV'	35	-0.00233	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05937	19
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05651	20
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05651	20
WERE	'CITY OF FREDONIA 69KV'	10.294	0.0052	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05704	20
WERE	'CITY OF FREDONIA 69KV'	10.294	0.0052	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.05515	20
WERE	'CITY OF GIRARD 69KV'	9.21	0.00635	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05589	20
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.0561	20
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00689	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05535	20
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00637	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05587	20
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.05462	21
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.05462	21
WERE	'CITY OF GIRARD 69KV'	9.21	0.00635	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.054	21
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.05421	21
WERE	'CITY OF MULVANE 69KV'	11.999	0.00831	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05393	21
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00936	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05288	21
WERE	'GILL ENERGY CENTER 69KV'	118	0.00914	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.0531	21
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00637	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.05398	21
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05131	22
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05131	22
WERE	'CITY OF FREDONIA 69KV'	10.294	0.0052	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05184	22
WERE	'CITY OF GIRARD 69KV'	9.21	0.00635	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05069	22
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.0509	22
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00689	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05015	22
WERE	'EVANS ENERGY CENTER 138KV'	313	0.0107	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05154	22
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00637	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05067	22
WERE	'CITY OF MULVANE 69KV'	11.999	0.00831	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.04873	23
WERE	'GILL ENERGY CENTER 69KV'	118	0.00914	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.0479	23
WERE	'EVANS ENERGY CENTER 138KV'	313	0.0107	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.04634	24
WERE	'GETTY 69KV'	35	-0.00233	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.04614	24
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00936	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.04768	24
WERE	'GETTY 69KV'	35	-0.00233	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.04073	28
WERE	'GETTY 69KV'	35	-0.00233	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03978	28
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03808	29
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03808	29
WERE	'CITY OF FREDONIA 69KV'	10.294	0.0052	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03861	29
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03767	30
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00689	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03692	30
WERE	'GETTY 69KV'	35	-0.00233	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.03507	-0.0374	30
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00637	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03744	30
WERE	'CITY OF MULVANE 69KV'	11.999	0.00831	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.0355	32
WERE	'GILL ENERGY CENTER 69KV'	118	0.00914	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03467	32
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00936	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03445	33
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.03267	34
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.03267	34
WERE	'EVANS ENERGY CENTER 138KV'	313	0.0107	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03311	34
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03172	35
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03172	35
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.03226	35
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00637	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.03203	35
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03131	36
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00689	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.03151	36
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00637	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03108	36
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00689	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03056	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

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

Upgrade: CLAY CENTER - GREENLEAF 115KV CKT 1 AND CHAPMAN - CLAY CENTER 115KV CKT 1
Limiting Facility: KELLY - SOUTH SENECA 115KV CKT 1
Direction: From->To
Line Outage: CONCORDIA - EAST MANHATTAN 230KV CKT 1
Flowgate: 57217573371587585686111207SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.4	1.3
1034590	0.9	1.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CHANUTE 69KV'	46.617	-0.00048	-0.86909	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF AUGUSTA 69KV'	26.1	0.00061	-0.87018	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF BURLINGTON 69KV'	10.5	-0.00075	-0.86882	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF ERIE 69KV'	19.965	-0.00048	-0.86909	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF GIRARD 69KV'	2.989	-0.00069	-0.86888	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF IOLA 69KV'	19.865	-0.00051	-0.86906	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF MULVANE 69KV'	6.189	-0.0013	-0.86827	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF NEODESHA 69KV'	4.5	-0.00054	-0.86903	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00166	-0.86791	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF WINFIELD 69KV'	39.90401	-0.00126	-0.86831	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00075	-0.86882	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'EVANS ENERGY CENTER 138KV'	328.6074	-0.00152	-0.86805	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00218	-0.86739	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'JEFFREY ENERGY CENTER 230KV'	486	-0.00339	-0.86618	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'JEFFREY ENERGY CENTER 345KV'	924	-0.0034	-0.86617	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00098	-0.86859	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'LAWRENCE ENERGY CENTER 230KV'	217.2095	-0.00137	-0.8682	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00053	-0.86904	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'WACO 138KV'	17.947	-0.00211	-0.86746	1
WEPL	'CLIFTON 115KV'	65	-0.54675	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.02822	-0.51853	2
WEPL	'CLIFTON 115KV'	65	-0.54675	WEPL	'JUDSON LARGE 115KV'	107.1247	-0.02818	-0.51857	2
WEPL	'GREENLEAF 115KV'	10.15	-0.61731	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05402	-0.56329	2
WEPL	'GREENLEAF 115KV'	10.15	-0.61731	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.02822	-0.58909	2
WEPL	'GREENLEAF 115KV'	10.15	-0.61731	WEPL	'JUDSON LARGE 115KV'	107.1247	-0.02818	-0.58913	2
WEPL	'GREENLEAF 115KV'	10.15	-0.61731	WEPL	'SPEARVILLE WIND 34KV'	101	-0.03109	-0.58622	2
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.01323	-0.85634	2
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.02709	-0.84248	2
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'SMOKEY HILLS 34KV'	50	-0.02986	-0.83971	2
WEPL	'CLIFTON 115KV'	65	-0.54675	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05402	-0.49273	3
WEPL	'CLIFTON 115KV'	65	-0.54675	WEPL	'SPEARVILLE WIND 34KV'	101	-0.03109	-0.51566	3
WEPL	'BELOIT 115KV'	9.25	-0.38464	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05402	-0.33062	4
WEPL	'BELOIT 115KV'	9.25	-0.38464	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.02822	-0.35642	4
WEPL	'BELOIT 115KV'	9.25	-0.38464	WEPL	'JUDSON LARGE 115KV'	107.1247	-0.02818	-0.35646	4
WEPL	'BELOIT 115KV'	9.25	-0.38464	WEPL	'SPEARVILLE WIND 34KV'	101	-0.03109	-0.35355	4
WEPL	'SMITH CENTER 115KV'	5.35	-0.28908	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05402	-0.23506	5
WEPL	'SMITH CENTER 115KV'	5.35	-0.28908	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.02822	-0.26086	5
WEPL	'SMITH CENTER 115KV'	5.35	-0.28908	WEPL	'JUDSON LARGE 115KV'	107.1247	-0.02818	-0.2609	5
WEPL	'SMITH CENTER 115KV'	5.35	-0.28908	WEPL	'SPEARVILLE WIND 34KV'	101	-0.03109	-0.25799	5
WEPL	'RUSSELL 115KV'	27.9	-0.1413	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.02822	-0.11308	11
WEPL	'RUSSELL 115KV'	27.9	-0.1413	WEPL	'JUDSON LARGE 115KV'	107.1247	-0.02818	-0.11312	11
WEPL	'RUSSELL 115KV'	27.9	-0.1413	WEPL	'SPEARVILLE WIND 34KV'	101	-0.03109	-0.11021	12
WEPL	'PLAINVILLE 115KV'	5.25	-0.12106	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.02822	-0.09284	14
WEPL	'PLAINVILLE 115KV'	5.25	-0.12106	WEPL	'JUDSON LARGE 115KV'	107.1247	-0.02818	-0.09288	14
WEPL	'PLAINVILLE 115KV'	5.25	-0.12106	WEPL	'SPEARVILLE WIND 34KV'	101	-0.03109	-0.08997	14
WEPL	'RUSSELL 115KV'	27.9	-0.1413	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05402	-0.08728	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

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

Upgrade: CLAY CENTER - GREENLEAF 115KV CKT 1 AND CHAPMAN - CLAY CENTER 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: 57217573371CONCNCORD66311207SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.4	1.3
1034590	0.9	1.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CHANUTE 69KV'	46.617	-0.00048	-0.86909	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF AUGUSTA 69KV'	26.1	0.00061	-0.87018	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF BURLINGTON 69KV'	10.5	-0.00075	-0.86882	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF ERIE 69KV'	19.965	-0.00048	-0.86909	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF GIRARD 69KV'	2.989	-0.00069	-0.86888	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF IOLA 69KV'	19.865	-0.00051	-0.86906	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF MULVANE 69KV'	6.189	-0.0013	-0.86827	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF NEODESHA 69KV'	4.5	-0.00054	-0.86903	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00166	-0.86791	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'CITY OF WINFIELD 69KV'	39.90401	-0.00126	-0.86831	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	-0.00075	-0.86882	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'EVANS ENERGY CENTER 138KV'	328.6074	-0.00152	-0.86805	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00218	-0.86739	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'JEFFREY ENERGY CENTER 230KV'	486	-0.00339	-0.86618	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'JEFFREY ENERGY CENTER 345KV'	924	-0.0034	-0.86617	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	-0.00098	-0.86859	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'LAWRENCE ENERGY CENTER 230KV'	217.2095	-0.00137	-0.8682	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00053	-0.86904	1
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'WACO 138KV'	17.947	-0.00211	-0.86746	1
WEPL	'CLIFTON 115KV'	65	-0.54675	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.02822	-0.51853	2
WEPL	'CLIFTON 115KV'	65	-0.54675	WEPL	'JUDSON LARGE 115KV'	107.1247	-0.02818	-0.51857	2
WEPL	'GREENLEAF 115KV'	10.15	-0.61731	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05402	-0.56329	2
WEPL	'GREENLEAF 115KV'	10.15	-0.61731	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.02822	-0.58909	2
WEPL	'GREENLEAF 115KV'	10.15	-0.61731	WEPL	'JUDSON LARGE 115KV'	107.1247	-0.02818	-0.58913	2
WEPL	'GREENLEAF 115KV'	10.15	-0.61731	WEPL	'SPEARVILLE WIND 34KV'	101	-0.03109	-0.58622	2
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.01323	-0.85634	2
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	-0.02709	-0.84248	2
WERE	'SOUTH SENECA 115KV'	15	-0.86957	WERE	'SMOKEY HILLS 34KV'	50	-0.02986	-0.83971	2
WEPL	'CLIFTON 115KV'	65	-0.54675	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05402	-0.49273	3
WEPL	'CLIFTON 115KV'	65	-0.54675	WEPL	'SPEARVILLE WIND 34KV'	101	-0.03109	-0.51566	3
WEPL	'BELOIT 115KV'	9.25	-0.38464	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05402	-0.33062	4
WEPL	'BELOIT 115KV'	9.25	-0.38464	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.02822	-0.35642	4
WEPL	'BELOIT 115KV'	9.25	-0.38464	WEPL	'JUDSON LARGE 115KV'	107.1247	-0.02818	-0.35646	4
WEPL	'BELOIT 115KV'	9.25	-0.38464	WEPL	'SPEARVILLE WIND 34KV'	101	-0.03109	-0.35355	4
WEPL	'SMITH CENTER 115KV'	5.35	-0.28908	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05402	-0.23506	5
WEPL	'SMITH CENTER 115KV'	5.35	-0.28908	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.02822	-0.26086	5
WEPL	'SMITH CENTER 115KV'	5.35	-0.28908	WEPL	'JUDSON LARGE 115KV'	107.1247	-0.02818	-0.2609	5
WEPL	'SMITH CENTER 115KV'	5.35	-0.28908	WEPL	'SPEARVILLE WIND 34KV'	101	-0.03109	-0.25799	5
WEPL	'RUSSELL 115KV'	27.9	-0.1413	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.02822	-0.11308	11
WEPL	'RUSSELL 115KV'	27.9	-0.1413	WEPL	'JUDSON LARGE 115KV'	107.1247	-0.02818	-0.11312	11
WEPL	'RUSSELL 115KV'	27.9	-0.1413	WEPL	'SPEARVILLE WIND 34KV'	101	-0.03109	-0.11021	12
WEPL	'PLAINVILLE 115KV'	5.25	-0.12106	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.02822	-0.09284	14
WEPL	'PLAINVILLE 115KV'	5.25	-0.12106	WEPL	'JUDSON LARGE 115KV'	107.1247	-0.02818	-0.09288	14
WEPL	'PLAINVILLE 115KV'	5.25	-0.12106	WEPL	'SPEARVILLE WIND 34KV'	101	-0.03109	-0.08997	14
WEPL	'RUSSELL 115KV'	27.9	-0.1413	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.05402	-0.08728	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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: WOODWARD - WOODWARD 69KV CKT 1
Flowgate: 557855599915478256096141O6FA
Date Redispatch Needed: 10/1/06 - 12/1/06
Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	31.0	31.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'HORSESHOE LAKE 69KV'	16	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'HORSESHOE LAKE 69KV'	16	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'MUSKOGEE 345KV'	20	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'MUSKOGEE 345KV'	20	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'MUSTANG 69KV'	106	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'MUSTANG 69KV'	106	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'ONE OAK 345KV'	236	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'ONE OAK 345KV'	236	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'REDBUD 345KV'	900	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'REDBUD 345KV'	900	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'SEMINOLE 138KV'	262.1518	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'SEMINOLE 138KV'	262.1518	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'SEMINOLE 345KV'	507.6	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'SEMINOLE 345KV'	507.6	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: WOODWARD - WOODWARD 69KV CKT 1
Flowgate: 557855599915478256096141O6SH

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

Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1032973	20.5	20.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	102	1	-1	20
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'FPLWND2 34KV'	102	1	-1	20
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'HORSESHOE LAKE 69KV'	16	0	OKGE	'FPLWND2 34KV'	102	1	-1	20
OKGE	'HORSESHOE LAKE 69KV'	16	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	102	1	-1	20
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	102	1	-1	20
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	102	1	-1	20
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'MUSKOGEE 345KV'	20	0	OKGE	'FPLWND2 34KV'	102	1	-1	20
OKGE	'MUSKOGEE 345KV'	20	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'MUSTANG 69KV'	106	0	OKGE	'FPLWND2 34KV'	102	1	-1	20
OKGE	'MUSTANG 69KV'	106	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'ONE OAK 345KV'	236	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'REDBUD 345KV'	460	0	OKGE	'FPLWND2 34KV'	102	1	-1	20
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	102	1	-1	20
OKGE	'REDBUD 345KV'	460	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'SEMINOLE 138KV'	46.75327	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'SEMINOLE 345KV'	406.08	0	OKGE	'FPLWND2 34KV'	102	1	-1	20
OKGE	'SEMINOLE 345KV'	406.08	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'FPLWND2 34KV'	102	1	-1	20
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	102	1	-1	20
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'FPLWND2 34KV'	102	1	-1	20
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	20

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: WOODWARD - WOODWARD 69KV CKT 1
Flowgate: 557855599915478256096143O6SP
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	11.5	11.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	'HORSESHOE LAKE 138KV'	337.7	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	'HORSESHOE LAKE 138KV'	337.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	'MUSTANG 138KV'	147.2756	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	'MUSTANG 138KV'	147.2756	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	'ONE OAK 345KV'	204	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	'ONE OAK 345KV'	204	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	'REDBUD 345KV'	460	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	'REDBUD 345KV'	460	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	'SEMINOLE 138KV'	17.66129	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	'SEMINOLE 138KV'	17.66129	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	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

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: DEWEY - IODINE 138KV CKT 1
Flowgate: 557855599915478754796112O6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	0.3	8.1
1032973	7.8	8.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	10	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	8
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00045	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97354	8
OKGE	'HORSESHOE LAKE 138KV'	380	0.00023	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97286	8
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00023	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97286	8
OKGE	'HORSESHOE LAKE 138KV'	91	0.00023	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97286	8
OKGE	'HORSESHOE LAKE 69KV'	16	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	8
OKGE	'MCCLAIN 138KV'	42	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	8
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	8
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	8
OKGE	'MUSKOGEE 345KV'	20	0.00005	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97304	8
OKGE	'MUSTANG 138KV'	365.5	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	8
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97269	8
OKGE	'ONE OAK 345KV'	336	0.00012	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97297	8
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	8
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	8
OKGE	'SEMINOLE 138KV'	395.9377	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9729	8
OKGE	'SEMINOLE 345KV'	558.5136	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9729	8
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9734	8
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97471	8
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97284	8
OKGE	'AES 161KV'	10	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	10
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00045	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81303	10
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81235	10
OKGE	'HORSESHOE LAKE 138KV'	380	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81235	10
OKGE	'HORSESHOE LAKE 138KV'	91	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81235	10
OKGE	'HORSESHOE LAKE 69KV'	16	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	10
OKGE	'MCCLAIN 138KV'	42	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	10
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	10
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	10
OKGE	'MUSKOGEE 345KV'	20	0.00005	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81253	10
OKGE	'MUSTANG 138KV'	365.5	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	10
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	10
OKGE	'ONE OAK 345KV'	336	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	10
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	10
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	10
OKGE	'SEMINOLE 138KV'	395.9377	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	10
OKGE	'SEMINOLE 345KV'	558.5136	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	10
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	10
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	10
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81233	10
WFEC	'MORLND 138KV'	166.1695	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05339	-0.07793	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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: DEWEY - IODINE 138KV CKT 1
Flowgate: 557855599915478754796112O7FA
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
1023236	0.4	10.2
1032973	9.7	10.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.00045	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97354	10
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	10
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	10
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	10
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97288	10
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97275	10
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	10
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	10
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	10
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97274	10
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97269	10
OKGE	'ONE OAK 345KV'	323	0.00013	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97296	10
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	10
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	10
OKGE	'SEMINOLE 138KV'	35.77591	0.00018	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97291	10
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97291	10
OKGE	'SMITH COGEN 138KV'	110	0.00034	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97275	10
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9734	10
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97471	10
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97285	10
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.00045	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81303	13
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	13
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	13
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	13
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	13
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	13
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	13
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	13
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	13
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	13
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	13
OKGE	'ONE OAK 345KV'	323	0.00013	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81245	13
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	13
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	13
OKGE	'SEMINOLE 138KV'	35.77591	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	13
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	13
OKGE	'SMITH COGEN 138KV'	110	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	13
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	13
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81234	13
WFEC	'MORLND 138KV'	320	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05338	-0.07792	131

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

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: DEWEY - IODINE 138KV CKT 1
Flowgate: 557855599915478754796112O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1023236	0.1	0.1
1032973	0.1	0.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	1
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	1
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97275	1
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	1
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	1
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	1
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	1
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	1
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97274	1
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	1
OKGE	'MUSTANG 69KV'	57.60058	0.0004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97269	1
OKGE	'MUSTANG 69KV'	57.60058	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	1
OKGE	'ONE OAK 345KV'	274	0.00013	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97296	1
OKGE	'ONE OAK 345KV'	274	0.00013	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81245	1
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	1
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	1
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	1
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	1
OKGE	'SEMINOLE 138KV'	21.98755	0.00018	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97291	1
OKGE	'SEMINOLE 138KV'	21.98755	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	1
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9734	1
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	1
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97471	1
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	1
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97285	1
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81234	1
OKGE	'WOODWARD 24KV'	9.3	0.81258	OKGE	'FPLWND2 34KV'	102	0.97309	-0.16051	1
WFEC	'MORLND 138KV'	173.8576	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05338	-0.07792	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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: DEWEY - IODINE 138KV CKT 1
Flowgate: 557855599915478754796112O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	0.3	7.4
1032973	7.1	7.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	78.99999	0.00003	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97305	8
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97286	8
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97286	8
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97286	8
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97287	8
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97274	8
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97305	8
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97305	8
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97304	8
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97273	8
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97268	8
OKGE	'ONE OAK 345KV'	319	0.00012	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97296	8
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97294	8
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97294	8
OKGE	'SEMINOLE 138KV'	309.9816	0.00018	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.9729	8
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.9729	8
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97339	8
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.9747	8
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97284	8
OKGE	'AES 161KV'	78.99999	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	9
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	9
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	9
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	9
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	9
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	9
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	9
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	9
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	9
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	9
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	9
OKGE	'ONE OAK 345KV'	319	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	9
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	9
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	9
OKGE	'SEMINOLE 138KV'	309.9816	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	9
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	9
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	9
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	9
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81234	9
WFEC	'MORLND 138KV'	148.9085	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05338	-0.07792	95

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

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: DEWEY - IODINE 138KV CKT 1
Flowgate: 557855599915478754796114O7G
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
1023236	0.6	14.6
1032973	14.0	14.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	40	0.00003	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97306	15
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	15
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	15
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	15
OKGE	'HORSESHOE LAKE 69KV'	16	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	15
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97275	15
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97306	15
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97306	15
OKGE	'MUSKOGEE 345KV'	20	0.00005	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97304	15
OKGE	'MUSTANG 138KV'	365.5	0.00036	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97273	15
OKGE	'MUSTANG 69KV'	106	0.00041	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97268	15
OKGE	'ONE OAK 345KV'	319	0.00012	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97297	15
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97295	15
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97295	15
OKGE	'SEMINOLE 138KV'	405.6997	0.00019	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.9729	15
OKGE	'SEMINOLE 345KV'	572.5286	0.00019	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.9729	15
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.9734	15
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97471	15
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97284	15
OKGE	'AES 161KV'	40	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	18
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	18
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	18
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	18
OKGE	'HORSESHOE LAKE 69KV'	16	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	18
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	18
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	18
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	18
OKGE	'MUSKOGEE 345KV'	20	0.00005	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81253	18
OKGE	'MUSTANG 138KV'	365.5	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	18
OKGE	'MUSTANG 69KV'	106	0.00041	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81217	18
OKGE	'ONE OAK 345KV'	319	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	18
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	18
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	18
OKGE	'SEMINOLE 138KV'	405.6997	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	18
OKGE	'SEMINOLE 345KV'	572.5286	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	18
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	18
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	18
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81233	18
WFEC	'MORLND 138KV'	320	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05339	-0.07793	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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: DEWEY - IODINE 138KV CKT 1
Flowgate: 557855599915478754796144O7AP
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
1023236	1.3	31.8
1032973	30.4	31.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	160	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	33
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	33
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	33
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	33
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97288	33
OKGE	'MCCLAIN 138KV'	520	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	33
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	33
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	33
OKGE	'MUSKOGEE 345KV'	717.4685	0.00005	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97304	33
OKGE	'MUSTANG 138KV'	365.5	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	33
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97269	33
OKGE	'ONE OAK 345KV'	236	0.00012	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97297	33
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	33
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	33
OKGE	'SEMINOLE 138KV'	511.596	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9729	33
OKGE	'SEMINOLE 345KV'	996.6	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9729	33
OKGE	'SMITH COGEN 138KV'	110	0.00034	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97275	33
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9734	33
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97471	33
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97284	33
OKGE	'AES 161KV'	160	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	39
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	39
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	39
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	39
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	39
OKGE	'MCCLAIN 138KV'	520	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	39
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	39
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	39
OKGE	'MUSKOGEE 345KV'	717.4685	0.00005	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81253	39
OKGE	'MUSTANG 138KV'	365.5	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	39
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	39
OKGE	'ONE OAK 345KV'	236	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	39
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	39
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	39
OKGE	'SEMINOLE 138KV'	511.596	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	39
OKGE	'SEMINOLE 345KV'	996.6	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	39
OKGE	'SMITH COGEN 138KV'	110	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	39
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	39
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	39
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81233	39

Maximum Decrement and Maximum Increment were determine from the 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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: IODINE - WOODWARD 138KV CKT 1
Flowgate: 557855599915479654785 11206WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	0.5	11.6
1032973	11.1	11.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	10	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	12
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00045	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97354	12
OKGE	'HORSESHOE LAKE 138KV'	91	0.00023	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97286	12
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00023	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97286	12
OKGE	'HORSESHOE LAKE 138KV'	380	0.00023	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97286	12
OKGE	'HORSESHOE LAKE 69KV'	16	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	12
OKGE	'MCCLAIN 138KV'	42	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	12
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	12
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	12
OKGE	'MUSKOGEE 345KV'	20	0.00005	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97304	12
OKGE	'MUSTANG 138KV'	365.5	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	12
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97269	12
OKGE	'ONE OAK 345KV'	336	0.00012	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97297	12
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	12
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	12
OKGE	'SEMINOLE 138KV'	395.9377	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9729	12
OKGE	'SEMINOLE 345KV'	558.5136	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9729	12
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9734	12
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97471	12
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97284	12
OKGE	'AES 161KV'	10	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	14
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00045	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81303	14
OKGE	'HORSESHOE LAKE 138KV'	91	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81235	14
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81235	14
OKGE	'HORSESHOE LAKE 138KV'	380	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81235	14
OKGE	'HORSESHOE LAKE 69KV'	16	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	14
OKGE	'MCCLAIN 138KV'	42	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	14
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	14
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	14
OKGE	'MUSKOGEE 345KV'	20	0.00005	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81253	14
OKGE	'MUSTANG 138KV'	365.5	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	14
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	14
OKGE	'ONE OAK 345KV'	336	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	14
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	14
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	14
OKGE	'SEMINOLE 138KV'	395.9377	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	14
OKGE	'SEMINOLE 345KV'	558.5136	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	14
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	14
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	14
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81233	14
WFEC	'MORLND 138KV'	166.1695	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05339	-0.07793	149

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: IODINE - WOODWARD 138KV CKT 1
Flowgate: 557855599915479654785 11207FA
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
1023236	0.6	13.5
1032973	12.9	13.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.00045	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97354	14
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	14
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	14
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	14
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97288	14
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97275	14
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	14
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	14
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	14
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97274	14
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97269	14
OKGE	'ONE OAK 345KV'	323	0.00013	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97296	14
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	14
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	14
OKGE	'SEMINOLE 138KV'	35.77591	0.00018	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97291	14
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97291	14
OKGE	'SMITH COGEN 138KV'	110	0.00034	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97275	14
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9734	14
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97471	14
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97285	14
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.00045	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81303	17
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	17
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	17
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	17
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	17
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	17
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	17
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	17
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	17
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	17
OKGE	'ONE OAK 345KV'	323	0.00013	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81245	17
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	17
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	17
OKGE	'SEMINOLE 138KV'	35.77591	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	17
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	17
OKGE	'SMITH COGEN 138KV'	110	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	17
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	17
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	17
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81234	17
WFEC	'MORLND 138KV'	320	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05338	-0.07792	173

Maximum Decrement and Maximum Increment were determine from the 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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: IODINE - WOODWARD 138KV CKT 1
Flowgate: 557855599915479654785112O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1023236	0.2	4.1
1032973	3.9	4.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	4
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	4
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97275	4
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	4
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	4
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	4
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97274	4
OKGE	'MUSTANG 69KV'	57.60058	0.0004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97269	4
OKGE	'ONE OAK 345KV'	274	0.00013	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97296	4
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	4
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	4
OKGE	'SEMINOLE 138KV'	21.98755	0.00018	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97291	4
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9734	4
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97471	4
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97285	4
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	5
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	5
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	5
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	5
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	5
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	5
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	5
OKGE	'MUSTANG 69KV'	57.60058	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	5
OKGE	'ONE OAK 345KV'	274	0.00013	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81245	5
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	5
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	5
OKGE	'SEMINOLE 138KV'	21.98755	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	5
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	5
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81234	5
OKGE	'WOODWARD 24KV'	9.3	0.81258	OKGE	'FPLWND2 34KV'	102	0.97309	-0.16051	25
WFEC	'MORLND 138KV'	173.8576	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05338	-0.07792	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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: IODINE - WOODWARD 138KV CKT 1
Flowgate: 557855599915479654785112O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	0.5	10.9
1032973	10.4	10.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	78.99999	0.00003	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97305	11
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97286	11
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97286	11
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97286	11
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97287	11
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97274	11
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97305	11
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97305	11
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97304	11
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97273	11
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97268	11
OKGE	'ONE OAK 345KV'	319	0.00012	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97296	11
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97294	11
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97294	11
OKGE	'SEMINOLE 138KV'	309.9816	0.00018	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.9729	11
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.9729	11
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97339	11
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.9747	11
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97284	11
OKGE	'AES 161KV'	78.99999	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	13
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	13
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	13
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	13
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	13
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	13
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	13
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	13
OKGE	'MUSKOGEE 345KV'	20	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	13
OKGE	'MUSTANG 138KV'	365.5	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	13
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	13
OKGE	'ONE OAK 345KV'	319	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	13
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	13
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	13
OKGE	'SEMINOLE 138KV'	309.9816	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	13
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	13
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	13
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	13
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81234	13
WFEC	'MORLND 138KV'	148.9085	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05338	-0.07792	140

Maximum Decrement and Maximum Increment were determine from the 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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: IODINE - WOODWARD 138KV CKT 1
Flowgate: 557855599915479654785114O7G
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
1023236	0.7	17.6
1032973	16.9	17.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	40	0.00003	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97306	18
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	18
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	18
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	18
OKGE	'HORSESHOE LAKE 69KV'	16	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	18
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97275	18
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97306	18
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97306	18
OKGE	'MUSKOGEE 345KV'	20	0.00005	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97304	18
OKGE	'MUSTANG 138KV'	365.5	0.00036	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97273	18
OKGE	'MUSTANG 69KV'	106	0.00041	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97268	18
OKGE	'ONE OAK 345KV'	319	0.00012	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97297	18
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97295	18
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97295	18
OKGE	'SEMINOLE 138KV'	405.6997	0.00019	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.9729	18
OKGE	'SEMINOLE 345KV'	572.5286	0.00019	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.9729	18
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.9734	18
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97471	18
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97284	18
OKGE	'AES 161KV'	40	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	22
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	22
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	22
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	22
OKGE	'HORSESHOE LAKE 69KV'	16	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	22
OKGE	'MCCLAIN 138KV'	42	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	22
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	22
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	22
OKGE	'MUSKOGEE 345KV'	20	0.00005	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81253	22
OKGE	'MUSTANG 138KV'	365.5	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	22
OKGE	'MUSTANG 69KV'	106	0.00041	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81217	22
OKGE	'ONE OAK 345KV'	319	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	22
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	22
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	22
OKGE	'SEMINOLE 138KV'	405.6997	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	22
OKGE	'SEMINOLE 345KV'	572.5286	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	22
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	22
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	22
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81233	22
WFEC	'MORLND 138KV'	320	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05339	-0.07793	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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: IODINE - WOODWARD 138KV CKT 1
Flowgate: 557855599915479654785141O7AP
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
1023236	1.4	33.6
1032973	32.2	33.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97471	34
OKGE	'AES 161KV'	160	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	35
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	35
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	35
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	35
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97288	35
OKGE	'MCCLAIN 138KV'	520	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	35
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	35
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	35
OKGE	'MUSKOGEE 345KV'	717.4685	0.00005	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97304	35
OKGE	'MUSTANG 138KV'	365.5	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	35
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97269	35
OKGE	'ONE OAK 345KV'	236	0.00012	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97297	35
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	35
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	35
OKGE	'SEMINOLE 138KV'	511.596	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9729	35
OKGE	'SEMINOLE 345KV'	996.6	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9729	35
OKGE	'SMITH COGEN 138KV'	110	0.00034	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97275	35
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9734	35
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97284	35
OKGE	'AES 161KV'	160	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	41
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	41
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	41
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	41
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	41
OKGE	'MCCLAIN 138KV'	520	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	41
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	41
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	41
OKGE	'MUSKOGEE 345KV'	717.4685	0.00005	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81253	41
OKGE	'MUSTANG 138KV'	365.5	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	41
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	41
OKGE	'ONE OAK 345KV'	236	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	41
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	41
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	41
OKGE	'SEMINOLE 138KV'	511.596	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	41
OKGE	'SEMINOLE 345KV'	996.6	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	41
OKGE	'SMITH COGEN 138KV'	110	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	41
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	41
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	41
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81233	41

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

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: FT SUPPLY - IODINE 138KV CKT 1
Flowgate: 557855599915592055957112O7AP
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
1023236	4.3	18.9
1032973	14.6	18.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	160	0.00036	OKGE	'FPLWND2 34KV'	102	0.88636	-0.886	21
OKGE	'HORSESHOE LAKE 138KV'	91	0.00236	OKGE	'FPLWND2 34KV'	102	0.88636	-0.884	21
OKGE	'HORSESHOE LAKE 138KV'	380	0.00236	OKGE	'FPLWND2 34KV'	102	0.88636	-0.884	21
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00236	OKGE	'FPLWND2 34KV'	102	0.88636	-0.884	21
OKGE	'HORSESHOE LAKE 69KV'	16	0.00227	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88409	21
OKGE	'MCCLAIN 138KV'	520	0.00378	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88258	21
OKGE	'MUSKOGEE 161KV'	166	0.00042	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88594	21
OKGE	'MUSKOGEE 161KV'	31	0.00042	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88594	21
OKGE	'MUSKOGEE 345KV'	714.4385	0.00053	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88583	21
OKGE	'MUSTANG 138KV'	365.5	0.00388	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88248	21
OKGE	'MUSTANG 69KV'	106	0.00421	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88215	21
OKGE	'ONE OAK 345KV'	336	0.00153	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88483	21
OKGE	'REDBUD 345KV'	900	0.0016	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88476	21
OKGE	'REDBUD 345KV'	421.65	0.0016	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88476	21
OKGE	'SEMINOLE 138KV'	507.9516	0.00182	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88454	21
OKGE	'SEMINOLE 345KV'	996.6	0.00189	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88447	21
OKGE	'SMITH COGEN 138KV'	110	0.00368	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88268	21
OKGE	'SOONER 138KV'	24.99997	-0.0024	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88876	21
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.01423	OKGE	'FPLWND2 34KV'	102	0.88636	-0.90059	21
OKGE	'TINKER 5G 138KV'	62	0.00256	OKGE	'FPLWND2 34KV'	102	0.88636	-0.8838	21
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.01423	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.64442	29
OKGE	'AES 161KV'	160	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62983	30
OKGE	'HORSESHOE LAKE 138KV'	91	0.00236	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62783	30
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00236	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62783	30
OKGE	'HORSESHOE LAKE 138KV'	380	0.00236	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62783	30
OKGE	'HORSESHOE LAKE 69KV'	16	0.00227	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62792	30
OKGE	'MCCLAIN 138KV'	520	0.00378	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62641	30
OKGE	'MUSKOGEE 161KV'	166	0.00042	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62977	30
OKGE	'MUSKOGEE 161KV'	31	0.00042	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62977	30
OKGE	'MUSKOGEE 345KV'	714.4385	0.00053	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62966	30
OKGE	'MUSTANG 138KV'	365.5	0.00388	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62631	30
OKGE	'MUSTANG 69KV'	106	0.00421	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62598	30
OKGE	'ONE OAK 345KV'	336	0.00153	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62866	30
OKGE	'REDBUD 345KV'	900	0.0016	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62859	30
OKGE	'REDBUD 345KV'	421.65	0.0016	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62859	30
OKGE	'SEMINOLE 138KV'	507.9516	0.00182	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62837	30
OKGE	'SEMINOLE 345KV'	996.6	0.00189	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.6283	30
OKGE	'SMITH COGEN 138KV'	110	0.00368	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62651	30
OKGE	'SOONER 138KV'	24.99997	-0.0024	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.63259	30
OKGE	'TINKER 5G 138KV'	62	0.00256	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62763	30

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: VICI - WOODWARD 69KV CKT 1
Flowgate: 557855599915608256096114O6FA
Date Redispatch Needed: 10/1/06 - 12/1/06
Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	17.0	17.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00026	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99301	17
OKGE	'HORSESHOE LAKE 138KV'	91	-0.00003	OKGE	'FPLWND2 34KV'	102	0.99327	-0.9933	17
OKGE	'HORSESHOE LAKE 138KV'	380	-0.00003	OKGE	'FPLWND2 34KV'	102	0.99327	-0.9933	17
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.00003	OKGE	'FPLWND2 34KV'	102	0.99327	-0.9933	17
OKGE	'HORSESHOE LAKE 69KV'	16	-0.00003	OKGE	'FPLWND2 34KV'	102	0.99327	-0.9933	17
OKGE	'MCCLAIN 138KV'	42	-0.00007	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99334	17
OKGE	'MUSKOGEE 161KV'	31	0.00001	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99326	17
OKGE	'MUSKOGEE 161KV'	166	0.00001	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99326	17
OKGE	'MUSKOGEE 345KV'	20	0	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99327	17
OKGE	'MUSTANG 138KV'	365.5	-0.00006	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99333	17
OKGE	'MUSTANG 69KV'	106	-0.00007	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99334	17
OKGE	'ONE OAK 345KV'	336	0.00001	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99326	17
OKGE	'REDBUD 345KV'	900	0	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99327	17
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99327	17
OKGE	'SEMINOLE 138KV'	242.0981	-0.00004	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99331	17
OKGE	'SEMINOLE 345KV'	507.6	-0.00003	OKGE	'FPLWND2 34KV'	102	0.99327	-0.9933	17
OKGE	'SOONER 138KV'	24.99997	0.00019	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99308	17
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.00121	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99206	17
OKGE	'TINKER 5G 138KV'	62	-0.00004	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99331	17
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00026	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.8466	20
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	20
OKGE	'HORSESHOE LAKE 138KV'	380	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	20
OKGE	'HORSESHOE LAKE 138KV'	91	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	20
OKGE	'HORSESHOE LAKE 69KV'	16	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	20
OKGE	'MCCLAIN 138KV'	42	-0.00007	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84693	20
OKGE	'MUSKOGEE 161KV'	166	0.00001	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84685	20
OKGE	'MUSKOGEE 161KV'	31	0.00001	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84685	20
OKGE	'MUSKOGEE 345KV'	20	0	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84686	20
OKGE	'MUSTANG 138KV'	365.5	-0.00006	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84692	20
OKGE	'MUSTANG 69KV'	106	-0.00007	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84693	20
OKGE	'ONE OAK 345KV'	336	0.00001	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84685	20
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84686	20
OKGE	'REDBUD 345KV'	900	0	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84686	20
OKGE	'SEMINOLE 138KV'	242.0981	-0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.8469	20
OKGE	'SEMINOLE 345KV'	507.6	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	20
OKGE	'SOONER 138KV'	24.99997	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84667	20
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.00121	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84565	20
OKGE	'TINKER 5G 138KV'	62	-0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.8469	20

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

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: VICI - WOODWARD 69KV CKT 1
Flowgate: 557855599915608256096142O6SH
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1032973	7.5	7.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00026	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99301	8
OKGE	'HORSESHOE LAKE 138KV'	380	-0.00003	OKGE	'FPLWND2 34KV'	102	0.99327	-0.9933	8
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.00003	OKGE	'FPLWND2 34KV'	102	0.99327	-0.9933	8
OKGE	'HORSESHOE LAKE 138KV'	91	-0.00003	OKGE	'FPLWND2 34KV'	102	0.99327	-0.9933	8
OKGE	'HORSESHOE LAKE 69KV'	16	-0.00003	OKGE	'FPLWND2 34KV'	102	0.99327	-0.9933	8
OKGE	'MCCLAIN 138KV'	42	-0.00007	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99334	8
OKGE	'MUSKOGEE 161KV'	166	0.00001	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99326	8
OKGE	'MUSKOGEE 161KV'	31	0.00001	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99326	8
OKGE	'MUSKOGEE 345KV'	20	0	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99327	8
OKGE	'MUSTANG 138KV'	365.5	-0.00006	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99333	8
OKGE	'MUSTANG 69KV'	106	-0.00007	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99334	8
OKGE	'ONE OAK 345KV'	293	0.00001	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99326	8
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99327	8
OKGE	'REDBUD 345KV'	253	0	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99327	8
OKGE	'SEMINOLE 138KV'	34.47104	-0.00004	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99331	8
OKGE	'SEMINOLE 345KV'	385.1439	-0.00003	OKGE	'FPLWND2 34KV'	102	0.99327	-0.9933	8
OKGE	'SOONER 138KV'	24.99997	0.00019	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99308	8
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.00121	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99206	8
OKGE	'TINKER 5G 138KV'	62	-0.00004	OKGE	'FPLWND2 34KV'	102	0.99327	-0.99331	8
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00026	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.8466	9
OKGE	'HORSESHOE LAKE 138KV'	91	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	9
OKGE	'HORSESHOE LAKE 138KV'	380	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	9
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	9
OKGE	'HORSESHOE LAKE 69KV'	16	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	9
OKGE	'MCCLAIN 138KV'	42	-0.00007	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84693	9
OKGE	'MUSKOGEE 161KV'	166	0.00001	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84685	9
OKGE	'MUSKOGEE 161KV'	31	0.00001	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84685	9
OKGE	'MUSKOGEE 345KV'	20	0	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84686	9
OKGE	'MUSTANG 138KV'	365.5	-0.00006	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84692	9
OKGE	'MUSTANG 69KV'	106	-0.00007	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84693	9
OKGE	'ONE OAK 345KV'	293	0.00001	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84685	9
OKGE	'REDBUD 345KV'	253	0	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84686	9
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84686	9
OKGE	'SEMINOLE 138KV'	34.47104	-0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.8469	9
OKGE	'SEMINOLE 345KV'	385.1439	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	9
OKGE	'SOONER 138KV'	24.99997	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84667	9
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.00121	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84565	9
OKGE	'TINKER 5G 138KV'	62	-0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.8469	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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: BASE CASE
Flowgate: 557855599991BASECASE4106FA
Date Redispatch Needed: 10/1/06 - 12/1/06
Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	14.2	14.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00045	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97354	15
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	15
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	15
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	15
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97288	15
OKGE	'MCCLAIN 138KV'	42	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	15
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	15
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	15
OKGE	'MUSKOGEE 345KV'	20	0.00005	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97304	15
OKGE	'MUSTANG 138KV'	365.5	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	15
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97269	15
OKGE	'ONE OAK 345KV'	236	0.00012	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97297	15
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	15
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	15
OKGE	'SEMINOLE 138KV'	262.1518	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9729	15
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97291	15
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9734	15
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97471	15
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97285	15
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00045	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81303	17
OKGE	'HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	17
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	17
OKGE	'HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	17
OKGE	'HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	17
OKGE	'MCCLAIN 138KV'	42	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	17
OKGE	'MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	17
OKGE	'MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	17
OKGE	'MUSKOGEE 345KV'	20	0.00005	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81253	17
OKGE	'MUSTANG 138KV'	365.5	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	17
OKGE	'MUSTANG 69KV'	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	17
OKGE	'ONE OAK 345KV'	236	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	17
OKGE	'REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	17
OKGE	'REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	17
OKGE	'SEMINOLE 138KV'	262.1518	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	17
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	17
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	17
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	17
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81234	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

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
Flowgate: 557855599991WOODODWRD24211406SH
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1032973	64.6	64.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'MUSTANG 69KV'	106	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'MUSTANG 69KV'	106	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'ONE OAK 345KV'	293	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'ONE OAK 345KV'	293	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'REDBUD 345KV'	253	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'REDBUD 345KV'	253	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'SEMINOLE 138KV'	33.341	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'SEMINOLE 138KV'	33.341	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'SEMINOLE 345KV'	389.3251	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'SEMINOLE 345KV'	389.3251	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'FPLWND2 34KV'	102	1	-1	65
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	65

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
Flowgate: 557855599991WOODODWRD24214106FA
Date Redispatch Needed: 10/1/06 - 12/1/06
Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	66.0	66.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'MUSTANG 69KV'	106	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'MUSTANG 69KV'	106	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'ONE OAK 345KV'	236	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'ONE OAK 345KV'	236	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'REDBUD 345KV'	900	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'REDBUD 345KV'	900	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'SEMINOLE 138KV'	262.1518	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'SEMINOLE 138KV'	262.1518	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'SEMINOLE 345KV'	507.6	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'SEMINOLE 345KV'	507.6	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'FPLWND2 34KV'	102	1	-1	66
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	66

Maximum Decrement and Maximum Increment were determine from the 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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
Flowgate: 557855599991WOODODWRD24214206SP
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	63.2	63.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	63
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	63
OKGE	'HORSESHOE LAKE 138KV'	337.7	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	63
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	63
OKGE	'HORSESHOE LAKE 138KV'	337.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	63
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	63
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	63
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	63
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	63
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	63
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	63
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	63
OKGE	'MUSTANG 138KV'	142.3571	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	63
OKGE	'MUSTANG 138KV'	142.3571	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	63
OKGE	'ONE OAK 345KV'	261	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	63
OKGE	'ONE OAK 345KV'	261	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	63
OKGE	'REDBUD 345KV'	253	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	63
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	63
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	63
OKGE	'REDBUD 345KV'	253	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	63
OKGE	'SEMINOLE 138KV'	21.81808	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	63
OKGE	'SEMINOLE 138KV'	21.81808	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	63
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	63
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	63
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	63
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	63

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
Flowgate: 557855599991WOODODWRD24214206WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	13.6	13.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	10	0.00038	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89923	15
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00402	OKGE	'FPLWND2 34KV'	102	0.89961	-0.90363	15
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00264	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89697	15
OKGE	'HORSESHOE LAKE 138KV'	91	0.00264	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89697	15
OKGE	'HORSESHOE LAKE 138KV'	380	0.00264	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89697	15
OKGE	'HORSESHOE LAKE 69KV'	16	0.00252	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89709	15
OKGE	'MCCLAIN 138KV'	42	0.00414	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89547	15
OKGE	'MUSKOGEE 161KV'	166	0.00045	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89916	15
OKGE	'MUSKOGEE 161KV'	31	0.00045	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89916	15
OKGE	'MUSKOGEE 345KV'	20	0.00057	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89904	15
OKGE	'MUSTANG 138KV'	365.5	0.00425	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89536	15
OKGE	'MUSTANG 69KV'	106	0.00459	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89502	15
OKGE	'ONE OAK 345KV'	336	0.00166	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89795	15
OKGE	'REDBUD 345KV'	900	0.00175	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89786	15
OKGE	'REDBUD 345KV'	421.65	0.00175	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89786	15
OKGE	'SEMINOLE 138KV'	398.3212	0.00199	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89762	15
OKGE	'SEMINOLE 345KV'	558.5136	0.00206	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89755	15
OKGE	'SOONER 138KV'	24.99997	-0.00271	OKGE	'FPLWND2 34KV'	102	0.89961	-0.90232	15
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.0164	OKGE	'FPLWND2 34KV'	102	0.89961	-0.91601	15
OKGE	'TINKER 5G 138KV'	62	0.00279	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89682	15
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00402	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73883	18
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.0164	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.75121	18
OKGE	'AES 161KV'	10	0.00038	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73443	19
OKGE	'HORSESHOE LAKE 138KV'	91	0.00264	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73217	19
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00264	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73217	19
OKGE	'HORSESHOE LAKE 138KV'	380	0.00264	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73217	19
OKGE	'HORSESHOE LAKE 69KV'	16	0.00252	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73229	19
OKGE	'MCCLAIN 138KV'	42	0.00414	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73067	19
OKGE	'MUSKOGEE 345KV'	20	0.00057	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73424	19
OKGE	'MUSTANG 138KV'	365.5	0.00425	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73056	19
OKGE	'MUSTANG 69KV'	106	0.00459	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73022	19
OKGE	'ONE OAK 345KV'	336	0.00166	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73315	19
OKGE	'REDBUD 345KV'	421.65	0.00175	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73306	19
OKGE	'REDBUD 345KV'	900	0.00175	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73306	19
OKGE	'SEMINOLE 138KV'	398.3212	0.00199	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73282	19
OKGE	'SEMINOLE 345KV'	558.5136	0.00206	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73275	19
OKGE	'SOONER 138KV'	24.99997	-0.00271	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73752	19
OKGE	'TINKER 5G 138KV'	62	0.00279	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73202	19

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

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
Flowgate: 55785559991WOODODWRD24214207AP
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
1032973	27.2	27.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	160	0.00038	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89923	30
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00258	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89703	30
OKGE	'HORSESHOE LAKE 138KV'	91	0.00258	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89703	30
OKGE	'HORSESHOE LAKE 138KV'	380	0.00258	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89703	30
OKGE	'HORSESHOE LAKE 69KV'	16	0.00248	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89713	30
OKGE	'MCCLAIN 138KV'	520	0.00416	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89545	30
OKGE	'MUSKOGEE 161KV'	31	0.00045	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89916	30
OKGE	'MUSKOGEE 161KV'	166	0.00045	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89916	30
OKGE	'MUSKOGEE 345KV'	714.4385	0.00057	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89904	30
OKGE	'MUSTANG 138KV'	365.5	0.00427	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89534	30
OKGE	'MUSTANG 69KV'	106	0.00462	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89499	30
OKGE	'ONE OAK 345KV'	336	0.00167	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89794	30
OKGE	'REDBUD 345KV'	421.65	0.00175	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89786	30
OKGE	'REDBUD 345KV'	900	0.00175	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89786	30
OKGE	'SEMINOLE 138KV'	510.9571	0.00199	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89762	30
OKGE	'SEMINOLE 345KV'	996.6	0.00207	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89754	30
OKGE	'SMITH COGEN 138KV'	110	0.00405	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89556	30
OKGE	'SOONER 138KV'	24.99997	-0.00271	OKGE	'FPLWND2 34KV'	102	0.89961	-0.90232	30
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.0164	OKGE	'FPLWND2 34KV'	102	0.89961	-0.91601	30
OKGE	'TINKER 5G 138KV'	62	0.0028	OKGE	'FPLWND2 34KV'	102	0.89961	-0.89681	30
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.0164	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.75121	36
OKGE	'AES 161KV'	160	0.00038	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73443	37
OKGE	'HORSESHOE LAKE 138KV'	380	0.00258	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73223	37
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00258	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73223	37
OKGE	'HORSESHOE LAKE 138KV'	91	0.00258	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73223	37
OKGE	'HORSESHOE LAKE 69KV'	16	0.00248	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73233	37
OKGE	'MCCLAIN 138KV'	520	0.00416	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73065	37
OKGE	'MUSKOGEE 161KV'	166	0.00045	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73436	37
OKGE	'MUSKOGEE 161KV'	31	0.00045	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73436	37
OKGE	'MUSKOGEE 345KV'	714.4385	0.00057	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73424	37
OKGE	'MUSTANG 138KV'	365.5	0.00427	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73054	37
OKGE	'MUSTANG 69KV'	106	0.00462	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73019	37
OKGE	'ONE OAK 345KV'	336	0.00167	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73314	37
OKGE	'REDBUD 345KV'	900	0.00175	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73306	37
OKGE	'REDBUD 345KV'	421.65	0.00175	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73306	37
OKGE	'SEMINOLE 138KV'	510.9571	0.00199	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73282	37
OKGE	'SEMINOLE 345KV'	996.6	0.00207	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73274	37
OKGE	'SMITH COGEN 138KV'	110	0.00405	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73076	37
OKGE	'SOONER 138KV'	24.99997	-0.00271	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73752	37
OKGE	'TINKER 5G 138KV'	62	0.0028	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73201	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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
Flowgate: 55785559991WOODODWRD24214207FA
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
1032973	27.1	27.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.004	OKGE	'FPLWND2 34KV'	102	0.89958	-0.90358	30
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00256	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89702	30
OKGE	'HORSESHOE LAKE 138KV'	91	0.00256	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89702	30
OKGE	'HORSESHOE LAKE 138KV'	380	0.00256	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89702	30
OKGE	'HORSESHOE LAKE 69KV'	16	0.00246	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89712	30
OKGE	'MUSKOGEE 161KV'	31	0.00044	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89914	30
OKGE	'MUSKOGEE 161KV'	166	0.00044	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89914	30
OKGE	'MUSKOGEE 345KV'	20	0.00053	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89905	30
OKGE	'MUSTANG 138KV'	365.5	0.00419	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89539	30
OKGE	'MUSTANG 69KV'	106	0.00455	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89503	30
OKGE	'ONE OAK 345KV'	323	0.00169	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89789	30
OKGE	'REDBUD 345KV'	421.65	0.00174	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89784	30
OKGE	'REDBUD 345KV'	900	0.00174	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89784	30
OKGE	'SEMINOLE 138KV'	33.10504	0.00197	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89761	30
OKGE	'SEMINOLE 345KV'	507.6	0.00204	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89754	30
OKGE	'SMITH COGEN 138KV'	110	0.00399	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89559	30
OKGE	'SOONER 138KV'	24.99997	-0.00269	OKGE	'FPLWND2 34KV'	102	0.89958	-0.90227	30
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.0164	OKGE	'FPLWND2 34KV'	102	0.89958	-0.91598	30
OKGE	'TINKER 5G 138KV'	62	0.00277	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89681	30
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.0164	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.75118	36
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.004	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73878	37
OKGE	'HORSESHOE LAKE 138KV'	91	0.00256	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73222	37
OKGE	'HORSESHOE LAKE 138KV'	380	0.00256	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73222	37
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00256	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73222	37
OKGE	'HORSESHOE LAKE 69KV'	16	0.00246	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73232	37
OKGE	'MUSKOGEE 161KV'	166	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73434	37
OKGE	'MUSKOGEE 161KV'	31	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73434	37
OKGE	'MUSKOGEE 345KV'	20	0.00053	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73425	37
OKGE	'MUSTANG 138KV'	365.5	0.00419	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73059	37
OKGE	'MUSTANG 69KV'	106	0.00455	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73023	37
OKGE	'ONE OAK 345KV'	323	0.00169	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73309	37
OKGE	'REDBUD 345KV'	421.65	0.00174	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73304	37
OKGE	'REDBUD 345KV'	900	0.00174	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73304	37
OKGE	'SEMINOLE 138KV'	33.10504	0.00197	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73281	37
OKGE	'SEMINOLE 345KV'	507.6	0.00204	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73274	37
OKGE	'SMITH COGEN 138KV'	110	0.00399	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73079	37
OKGE	'SOONER 138KV'	24.99997	-0.00269	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73747	37
OKGE	'TINKER 5G 138KV'	62	0.00277	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73201	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

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
Flowgate: 557855599991WOODODWRD24214207G
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
1032973	26.6	26.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.0164	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.91601	29
OKGE	'AES 161KV'	40	0.00038	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89923	30
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00259	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89702	30
OKGE	'HORSESHOE LAKE 138KV'	380	0.00259	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89702	30
OKGE	'HORSESHOE LAKE 138KV'	91	0.00259	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89702	30
OKGE	'HORSESHOE LAKE 69KV'	16	0.00249	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89712	30
OKGE	'MCCLAIN 138KV'	42	0.00394	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89567	30
OKGE	'MUSKOGEE 161KV'	166	0.00045	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89916	30
OKGE	'MUSKOGEE 161KV'	31	0.00045	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89916	30
OKGE	'MUSKOGEE 345KV'	20	0.00057	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89904	30
OKGE	'MUSTANG 138KV'	365.5	0.00429	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89532	30
OKGE	'MUSTANG 69KV'	106	0.00464	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89497	30
OKGE	'ONE OAK 345KV'	319	0.00166	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89795	30
OKGE	'REDBUD 345KV'	421.65	0.00175	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89786	30
OKGE	'REDBUD 345KV'	900	0.00175	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89786	30
OKGE	'SEMINOLE 138KV'	406.2194	0.00199	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89762	30
OKGE	'SEMINOLE 345KV'	574.1776	0.00207	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.89754	30
OKGE	'SOONER 138KV'	24.99997	-0.00271	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.90232	30
OKGE	'TINKER 5G 138KV'	62	0.00281	OKGE	'FPLWND2 34KV'	101.9988	0.89961	-0.8968	30
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.0164	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.75121	35
OKGE	'AES 161KV'	40	0.00038	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73443	36
OKGE	'HORSESHOE LAKE 138KV'	91	0.00259	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73222	36
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00259	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73222	36
OKGE	'HORSESHOE LAKE 138KV'	380	0.00259	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73222	36
OKGE	'HORSESHOE LAKE 69KV'	16	0.00249	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73232	36
OKGE	'MCCLAIN 138KV'	42	0.00394	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73087	36
OKGE	'MUSKOGEE 161KV'	31	0.00045	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73436	36
OKGE	'MUSKOGEE 161KV'	166	0.00045	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73436	36
OKGE	'MUSKOGEE 345KV'	20	0.00057	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73424	36
OKGE	'MUSTANG 138KV'	365.5	0.00429	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73052	36
OKGE	'MUSTANG 69KV'	106	0.00464	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73017	36
OKGE	'ONE OAK 345KV'	319	0.00166	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73315	36
OKGE	'REDBUD 345KV'	421.65	0.00175	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73306	36
OKGE	'REDBUD 345KV'	900	0.00175	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73306	36
OKGE	'SEMINOLE 138KV'	406.2194	0.00199	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73282	36
OKGE	'SEMINOLE 345KV'	574.1776	0.00207	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73274	36
OKGE	'SOONER 138KV'	24.99997	-0.00271	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.73752	36
OKGE	'TINKER 5G 138KV'	62	0.00281	OKGE	'SLEEPING BEAR 34KV'	120	0.73481	-0.732	36

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
Flowgate: 557855599991WOODODWRD24214207SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1032973	13.2	13.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.0164	OKGE	'FPLWND2 34KV'	102	0.89958	-0.91598	14
OKGE	'HORSESHOE LAKE 138KV'	380	0.00256	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89702	15
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00256	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89702	15
OKGE	'MCCLAIN 138KV'	42	0.00387	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89571	15
OKGE	'MUSKOGEE 161KV'	31	0.00044	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89914	15
OKGE	'MUSKOGEE 161KV'	166	0.00044	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89914	15
OKGE	'MUSKOGEE 345KV'	20	0.00053	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89905	15
OKGE	'MUSTANG 138KV'	365.5	0.00419	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89539	15
OKGE	'MUSTANG 69KV'	57.60058	0.00455	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89503	15
OKGE	'ONE OAK 345KV'	299	0.00169	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89789	15
OKGE	'REDBUD 345KV'	900	0.00174	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89784	15
OKGE	'REDBUD 345KV'	421.65	0.00174	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89784	15
OKGE	'SEMINOLE 138KV'	21.86118	0.00197	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89761	15
OKGE	'SOONER 138KV'	24.99997	-0.00269	OKGE	'FPLWND2 34KV'	102	0.89958	-0.90227	15
OKGE	'TINKER 5G 138KV'	62	0.00277	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89681	15
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00256	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73222	18
OKGE	'HORSESHOE LAKE 138KV'	380	0.00256	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73222	18
OKGE	'MCCLAIN 138KV'	42	0.00387	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73091	18
OKGE	'MUSKOGEE 161KV'	31	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73434	18
OKGE	'MUSKOGEE 161KV'	166	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73434	18
OKGE	'MUSKOGEE 345KV'	20	0.00053	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73425	18
OKGE	'MUSTANG 138KV'	365.5	0.00419	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73059	18
OKGE	'MUSTANG 69KV'	57.60058	0.00455	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73023	18
OKGE	'ONE OAK 345KV'	299	0.00169	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73309	18
OKGE	'REDBUD 345KV'	421.65	0.00174	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73304	18
OKGE	'REDBUD 345KV'	900	0.00174	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73304	18
OKGE	'SEMINOLE 138KV'	21.86118	0.00197	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73281	18
OKGE	'SOONER 138KV'	24.99997	-0.00269	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73747	18
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.0164	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.75118	18
OKGE	'TINKER 5G 138KV'	62	0.00277	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73201	18

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

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

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
Flowgate: 557855599991WOODODWRD24214207SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	2.1	2.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'HORSESHOE LAKE 138KV'	293.6641	0.00256	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89702	2
OKGE	'MCCLAIN 138KV'	42	0.00387	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89571	2
OKGE	'MUSKOGEE 161KV'	31	0.00044	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89914	2
OKGE	'MUSKOGEE 161KV'	166	0.00044	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89914	2
OKGE	'MUSKOGEE 345KV'	20	0.00053	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89905	2
OKGE	'ONE OAK 345KV'	261	0.00169	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89789	2
OKGE	'REDBUD 345KV'	900	0.00174	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89784	2
OKGE	'REDBUD 345KV'	421.65	0.00174	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89784	2
OKGE	'SEMINOLE 138KV'	22.52728	0.00197	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89761	2
OKGE	'SOONER 138KV'	24.99997	-0.00269	OKGE	'FPLWND2 34KV'	102	0.89958	-0.90227	2
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.0164	OKGE	'FPLWND2 34KV'	102	0.89958	-0.91598	2
OKGE	'TINKER 5G 138KV'	62	0.00277	OKGE	'FPLWND2 34KV'	102	0.89958	-0.89681	2
OKGE	'HORSESHOE LAKE 138KV'	293.6641	0.00256	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73222	3
OKGE	'MCCLAIN 138KV'	42	0.00387	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73091	3
OKGE	'MUSKOGEE 161KV'	31	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73434	3
OKGE	'MUSKOGEE 161KV'	166	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73434	3
OKGE	'MUSKOGEE 345KV'	20	0.00053	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73425	3
OKGE	'ONE OAK 345KV'	261	0.00169	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73309	3
OKGE	'REDBUD 345KV'	900	0.00174	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73304	3
OKGE	'REDBUD 345KV'	421.65	0.00174	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73304	3
OKGE	'SEMINOLE 138KV'	22.52728	0.00197	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73281	3
OKGE	'SOONER 138KV'	24.99997	-0.00269	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73747	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.0164	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.75118	3
OKGE	'TINKER 5G 138KV'	62	0.00277	OKGE	'SLEEPING BEAR 34KV'	120	0.73478	-0.73201	3
OKGE	'WOODWARD 24KV'	9.3	0.73478	OKGE	'FPLWND2 34KV'	102	0.89958	-0.1648	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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE AND FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
Direction: From->To
Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
Flowgate: 557855599991WOODODWRD24214207WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	11.2	11.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	78.99999	0.00035	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89922	12
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00255	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89702	12
OKGE	'HORSESHOE LAKE 138KV'	380	0.00255	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89702	12
OKGE	'HORSESHOE LAKE 138KV'	91	0.00255	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89702	12
OKGE	'HORSESHOE LAKE 69KV'	16	0.00245	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89712	12
OKGE	'MCCLAIN 138KV'	42	0.00386	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89571	12
OKGE	'MUSKOGEE 161KV'	166	0.00043	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89914	12
OKGE	'MUSKOGEE 161KV'	31	0.00043	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89914	12
OKGE	'MUSKOGEE 345KV'	20	0.00051	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89906	12
OKGE	'ONE OAK 345KV'	336	0.00168	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89789	12
OKGE	'REDBUD 345KV'	421.65	0.00173	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89784	12
OKGE	'REDBUD 345KV'	900	0.00173	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89784	12
OKGE	'SEMINOLE 138KV'	319.8235	0.00195	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89762	12
OKGE	'SEMINOLE 345KV'	507.6	0.00203	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89754	12
OKGE	'SOONER 138KV'	24.99997	-0.0027	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.90227	12
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.01641	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.91598	12
OKGE	'TINKER 5G 138KV'	62	0.00276	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89681	12
OKGE	'MUSTANG 138KV'	365.5	0.00418	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89539	13
OKGE	'MUSTANG 69KV'	106	0.00454	OKGE	'FPLWND2 34KV'	101.9968	0.89957	-0.89503	13
OKGE	'AES 161KV'	78.99999	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73442	15
OKGE	'HORSESHOE LAKE 138KV'	380	0.00255	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73222	15
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00255	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73222	15
OKGE	'HORSESHOE LAKE 138KV'	91	0.00255	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73222	15
OKGE	'HORSESHOE LAKE 69KV'	16	0.00245	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73232	15
OKGE	'MCCLAIN 138KV'	42	0.00386	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73091	15
OKGE	'MUSKOGEE 161KV'	166	0.00043	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73434	15
OKGE	'MUSKOGEE 161KV'	31	0.00043	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73434	15
OKGE	'MUSKOGEE 345KV'	20	0.00051	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73426	15
OKGE	'MUSTANG 138KV'	365.5	0.00418	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73059	15
OKGE	'MUSTANG 69KV'	106	0.00454	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73023	15
OKGE	'ONE OAK 345KV'	336	0.00168	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73309	15
OKGE	'REDBUD 345KV'	900	0.00173	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73304	15
OKGE	'REDBUD 345KV'	421.65	0.00173	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73304	15
OKGE	'SEMINOLE 138KV'	319.8235	0.00195	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73282	15
OKGE	'SEMINOLE 345KV'	507.6	0.00203	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73274	15
OKGE	'SOONER 138KV'	24.99997	-0.0027	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73747	15
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.01641	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.75118	15
OKGE	'TINKER 5G 138KV'	62	0.00276	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73201	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

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

Upgrade: FT SUPPLY - WOODWARD 69KV CKT 1
Limiting Facility: FT SUPPLY - WOODWARD 69KV CKT 1
Direction: From->To
Line Outage: FT SUPPLY - IODINE 138KV CKT 1
Flowgate: 559195609615592055957132O7AP
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
1023236	2.6	2.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	-0.00101	WFEC	'SLEEPING BEAR 138KV'	80	0.78988	-0.79089	3
WFEC	'ANADARKO 138KV'	258.5789	-0.00101	WFEC	'SLEEPING BEAR 138KV'	80	0.78988	-0.79089	3
WFEC	'ANADARKO 69KV'	76	-0.00099	WFEC	'SLEEPING BEAR 138KV'	80	0.78988	-0.79087	3
WFEC	'HUGO 138KV'	191.9206	-0.00019	WFEC	'SLEEPING BEAR 138KV'	80	0.78988	-0.79007	3
WFEC	'MORLND 138KV'	320	-0.01334	WFEC	'SLEEPING BEAR 138KV'	80	0.78988	-0.80322	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: FT SUPPLY - WOODWARD 69KV CKT 1
Limiting Facility: FT SUPPLY - WOODWARD 69KV CKT 1
Direction: From->To
Line Outage: IODINE - MOORELAND 138KV CKT 1
Flowgate: 559195609615595755999913207AP
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
1023236	1.3	1.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	258.5789	-0.00101	WFEC	'SLEEPING BEAR 138KV'	80	0.78988	-0.79089	2
WFEC	'ANADARKO 138KV'	90	-0.00101	WFEC	'SLEEPING BEAR 138KV'	80	0.78988	-0.79089	2
WFEC	'ANADARKO 69KV'	76	-0.00099	WFEC	'SLEEPING BEAR 138KV'	80	0.78988	-0.79087	2
WFEC	'HUGO 138KV'	191.9206	-0.00019	WFEC	'SLEEPING BEAR 138KV'	80	0.78988	-0.79007	2
WFEC	'MORLND 138KV'	320	-0.01334	WFEC	'SLEEPING BEAR 138KV'	80	0.78988	-0.80322	2

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

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FT SUPPLY - IODINE 138KV CKT 1
Flowgate: 559195592015592055957111O6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	18.4	18.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'MORLND 138KV'	166.1695	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	18

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

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FT SUPPLY - IODINE 138KV CKT 1
Flowgate: 559195592015592055957111O7G
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
1023236	18.0	18.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	18

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

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FT SUPPLY - IODINE 138KV CKT 1
Flowgate: 559195592015592055957111O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	18.4	18.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'MORLND 138KV'	148.9085	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	18

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

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

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FT SUPPLY - IODINE 138KV CKT 1
Flowgate: 559195592015592055957112O7FA
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
1023236	18.9	18.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	19

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

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FT SUPPLY - IODINE 138KV CKT 1
Flowgate: 559195592015592055957132O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1023236	18.2	18.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	18
WFEC	'ANADARKO 138KV'	6.515274	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	18
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	18
WFEC	'MORLND 138KV'	173.8576	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	18

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

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FT SUPPLY - IODINE 138KV CKT 1
Flowgate: 559195592015592055957133O7AP
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
1023236	22.2	22.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	22
WFEC	'ANADARKO 138KV'	261.9045	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	22
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	22
WFEC	'HUGO 138KV'	191.9206	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	22
WFEC	'MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	22

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

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FT SUPPLY - IODINE 138KV CKT 1
Flowgate: 559195592015592055957133O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	17.4	17.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	17
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	17
WFEC	'MORLND 138KV'	39.60681	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	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: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: IODINE - MOORELAND 138KV CKT 1
Flowgate: 559195592015595755999111O6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	15.2	15.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'MORLND 138KV'	166.1695	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	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

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

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: IODINE - MOORELAND 138KV CKT 1
Flowgate: 559195592015595755999911107G
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
1023236	15.4	15.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	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: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: IODINE - MOORELAND 138KV CKT 1
Flowgate: 559195592015595755999911107WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	15.3	15.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'MORLND 138KV'	148.9085	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	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: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: IODINE - MOORELAND 138KV CKT 1
Flowgate: 559195592015595755999911207FA
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
1023236	16.3	16.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	16

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

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: IODINE - MOORELAND 138KV CKT 1
Flowgate: 559195592015595755999911407SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1023236	15.1	15.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'MORLND 138KV'	173.8576	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	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: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: IODINE - MOORELAND 138KV CKT 1
Flowgate: 559195592015595755999913307AP
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
1023236	20.7	20.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	21
WFEC	'ANADARKO 138KV'	261.9045	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	21
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	21
WFEC	'HUGO 138KV'	191.9206	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	21
WFEC	'MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	21

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

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

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: IODINE - MOORELAND 138KV CKT 1
Flowgate: 5591955920155957559991330 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	13.9	13.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	14
WFEC	'ANADARKO 138KV'	5.272072	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	14
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	14
WFEC	'MORLND 138KV'	39.60681	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	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 REDISPATCH
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: 5779557798157795578131140 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.6	2.2
1034590	1.6	2.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08063	WERE	'GILL ENERGY CENTER 69KV'	75	0.23271	-0.31334	7
WERE	'BROWN COUNTY 115KV'	4.3	-0.00059	WERE	'GILL ENERGY CENTER 69KV'	75	0.23271	-0.2333	9
WERE	'CHANUTE 69KV'	23.877	-0.00134	WERE	'GILL ENERGY CENTER 69KV'	75	0.23271	-0.23405	9
WERE	'CITY OF FREDONIA 69KV'	5.893985	-0.00153	WERE	'GILL ENERGY CENTER 69KV'	75	0.23271	-0.23424	9
WERE	'CITY OF GIRARD 69KV'	5.911	-0.00086	WERE	'GILL ENERGY CENTER 69KV'	75	0.23271	-0.23357	9
WERE	'CITY OF IOLA 69KV'	13.361	-0.00119	WERE	'GILL ENERGY CENTER 69KV'	75	0.23271	-0.2339	9
WERE	'EVANS ENERGY CENTER 138KV'	8	-0.00175	WERE	'GILL ENERGY CENTER 69KV'	75	0.23271	-0.23446	9
WERE	'GETTY 69KV'	35	-0.00663	WERE	'GILL ENERGY CENTER 69KV'	75	0.23271	-0.23934	9
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.40295	-0.00042	WERE	'GILL ENERGY CENTER 69KV'	75	0.23271	-0.23313	9
WERE	'NEOSHO ENERGY CENTER 138KV'	40.01758	-0.00112	WERE	'GILL ENERGY CENTER 69KV'	75	0.23271	-0.23383	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08063	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.11587	-0.1965	11
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08063	WERE	'GILL ENERGY CENTER 138KV'	171	0.0759	-0.15653	14
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08063	WERE	'WACO 138KV'	17.96	0.068	-0.14863	15
WERE	'EVANS ENERGY CENTER 138KV'	8	-0.00175	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.11587	-0.11762	19
WERE	'GETTY 69KV'	35	-0.00663	WERE	'GILL ENERGY CENTER 138KV'	171	0.0759	-0.08253	27
WERE	'CITY OF IOLA 69KV'	13.361	-0.00119	WERE	'GILL ENERGY CENTER 138KV'	171	0.0759	-0.07709	28
WERE	'NEOSHO ENERGY CENTER 138KV'	40.01758	-0.00112	WERE	'GILL ENERGY CENTER 138KV'	171	0.0759	-0.07702	28
WERE	'GETTY 69KV'	35	-0.00663	WERE	'WACO 138KV'	17.96	0.068	-0.07463	29
WERE	'CITY OF IOLA 69KV'	13.361	-0.00119	WERE	'WACO 138KV'	17.96	0.068	-0.06919	32
WERE	'NEOSHO ENERGY CENTER 138KV'	40.01758	-0.00112	WERE	'WACO 138KV'	17.96	0.068	-0.06912	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: GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 REDISPATCH
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: 5779557813157795579811407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.5	1.9
1034590	1.3	1.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08344	WERE	'GILL ENERGY CENTER 69KV'	75	0.19979	-0.28323	7
WERE	'BROWN COUNTY 115KV'	4.3	-0.00051	WERE	'GILL ENERGY CENTER 69KV'	75	0.19979	-0.2003	9
WERE	'CHANUTE 69KV'	23.877	-0.00124	WERE	'GILL ENERGY CENTER 69KV'	75	0.19979	-0.20103	9
WERE	'CITY OF FREDONIA 69KV'	5.893985	-0.00142	WERE	'GILL ENERGY CENTER 69KV'	75	0.19979	-0.20121	9
WERE	'CITY OF GIRARD 69KV'	5.911	-0.00079	WERE	'GILL ENERGY CENTER 69KV'	75	0.19979	-0.20058	9
WERE	'CITY OF IOLA 69KV'	13.361	-0.0011	WERE	'GILL ENERGY CENTER 69KV'	75	0.19979	-0.20089	9
WERE	'EVANS ENERGY CENTER 138KV'	8	-0.00061	WERE	'GILL ENERGY CENTER 69KV'	75	0.19979	-0.2004	9
WERE	'GETTY 69KV'	35	-0.00614	WERE	'GILL ENERGY CENTER 69KV'	75	0.19979	-0.20593	9
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.40295	-0.0003	WERE	'GILL ENERGY CENTER 69KV'	75	0.19979	-0.20009	9
WERE	'NEOSHO ENERGY CENTER 138KV'	40.01758	-0.00103	WERE	'GILL ENERGY CENTER 69KV'	75	0.19979	-0.20082	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08344	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.09918	-0.18262	10
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08344	WERE	'GILL ENERGY CENTER 138KV'	171	0.0661	-0.14954	13
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08344	WERE	'WACO 138KV'	17.96	0.05931	-0.14275	13
WERE	'EVANS ENERGY CENTER 138KV'	8	-0.00061	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.09918	-0.09979	19
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08344	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00107	-0.08451	22
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08344	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.00252	-0.08596	22
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08344	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.00335	-0.08679	22
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08344	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.00335	-0.08679	22
WERE	'CITY OF MULVANE 69KV'	7.502	-0.08344	WERE	'SMOKEY HILLS 34KV'	50	0.00218	-0.08562	22
WERE	'GETTY 69KV'	35	-0.00614	WERE	'GILL ENERGY CENTER 138KV'	171	0.0661	-0.07224	26
WERE	'CITY OF IOLA 69KV'	13.361	-0.0011	WERE	'GILL ENERGY CENTER 138KV'	171	0.0661	-0.0672	28
WERE	'NEOSHO ENERGY CENTER 138KV'	40.01758	-0.00103	WERE	'GILL ENERGY CENTER 138KV'	171	0.0661	-0.06713	28
WERE	'GETTY 69KV'	35	-0.00614	WERE	'WACO 138KV'	17.96	0.05931	-0.06545	29
WERE	'CITY OF IOLA 69KV'	13.361	-0.0011	WERE	'WACO 138KV'	17.96	0.05931	-0.06041	31
WERE	'NEOSHO ENERGY CENTER 138KV'	40.01758	-0.00103	WERE	'WACO 138KV'	17.96	0.05931	-0.06034	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

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

Upgrade: GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 REDISPATCH
Limiting Facility: GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1
Direction: From->To
Line Outage: GILLJCT269.0 - OATVILLE 69KV CKT 1
Flowgate: 5779557813157798578251140 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.2	0.9
1034590	0.6	0.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.25198	3
WERE	'CHANUTE 69KV'	23.877	-0.00116	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15558	5
WERE	'CITY OF BURLINGTON 69KV'	2	-0.00204	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15646	5
WERE	'CITY OF FREDONIA 69KV'	5.893985	-0.00135	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15577	5
WERE	'CITY OF GIRARD 69KV'	5.911	-0.00072	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15514	5
WERE	'CITY OF IOLA 69KV'	13.361	-0.00102	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15544	5
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.07596	-0.17352	5
WERE	'GETTY 69KV'	35	-0.00579	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.16021	5
WERE	'NEOSHO ENERGY CENTER 138KV'	40.01758	-0.00095	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15537	5
WERE	'BROWN COUNTY 115KV'	4.3	-0.00042	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15484	6
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'GILL ENERGY CENTER 138KV'	171	0.05328	-0.15084	6
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'WACO 138KV'	17.96	0.04802	-0.14558	6
WERE	'EVANS ENERGY CENTER 138KV'	8	0.00161	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15281	6
WERE	'LAWRENCE ENERGY CENTER 115KV'	8.000004	-0.00012	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15454	6
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.40295	-0.0001	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.15452	6
WERE	'OXFORD 138KV'	3	0.00605	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.14837	6
WERE	'ST JOHN 115KV'	2.9	0.00914	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.14528	6
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.00285	-0.10041	8
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.00286	-0.10042	8
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.00103	-0.09859	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.00219	-0.09975	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'CHANUTE 69KV'	56.723	-0.00116	-0.0964	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'CITY OF AUGUSTA 69KV'	26.1	-0.00401	-0.09355	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'CITY OF BURLINGTON 69KV'	10.5	-0.00204	-0.09552	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'CITY OF ERIE 69KV'	25.474	-0.00116	-0.0964	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'CITY OF FREDONIA 69KV'	4.400015	-0.00135	-0.09621	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'CITY OF GIRARD 69KV'	4.789	-0.00072	-0.09684	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'CITY OF IOLA 69KV'	24.267	-0.00102	-0.09654	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'CITY OF NEODESHA 69KV'	4.5	-0.00117	-0.09639	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.00204	-0.09552	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'EVANS ENERGY CENTER 138KV'	565	0.00161	-0.09917	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'HOLTON 115KV'	6	-0.00017	-0.09739	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.00022	-0.09778	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.00021	-0.09777	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'NEOSHO ENERGY CENTER 138KV'	6.98242	-0.00095	-0.09661	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'SMOKEY HILLS 34KV'	50	0.00191	-0.09947	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'SOUTH SENECA 115KV'	13.9	-0.00028	-0.09728	9
WERE	'CITY OF MULVANE 69KV'	7.502	-0.09756	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0	-0.09756	9
WERE	'BROWN COUNTY 115KV'	4.3	-0.00042	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.07596	-0.07638	11
WERE	'CITY OF FREDONIA 69KV'	5.893985	-0.00135	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.07596	-0.07731	11
WERE	'CITY OF GIRARD 69KV'	5.911	-0.00072	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.07596	-0.07668	11
WERE	'CITY OF WELLINGTON 69KV'	4	0.07596	WERE	'GILL ENERGY CENTER 69KV'	75	0.15442	-0.07846	11
WERE	'EVANS ENERGY CENTER 138KV'	8	0.00161	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.07596	-0.07435	11
WERE	'GETTY 69KV'	35	-0.00579	WERE	'GILL ENERGY CENTER 138KV'	171	0.05328	-0.05907	14
WERE	'CITY OF FREDONIA 69KV'	5.893985	-0.00135	WERE	'GILL ENERGY CENTER 138KV'	171	0.05328	-0.05463	16
WERE	'CITY OF GIRARD 69KV'	5.911	-0.00072	WERE	'GILL ENERGY CENTER 138KV'	171	0.05328	-0.054	16
WERE	'CITY OF IOLA 69KV'	13.361	-0.00102	WERE	'GILL ENERGY CENTER 138KV'	171	0.05328	-0.0543	16
WERE	'GETTY 69KV'	35	-0.00579	WERE	'WACO 138KV'	17.96	0.04802	-0.05381	16
WERE	'NEOSHO ENERGY CENTER 138KV'	40.01758	-0.00095	WERE	'GILL ENERGY CENTER 138KV'	171	0.05328	-0.05423	16
WERE	'CITY OF FREDONIA 69KV'	5.893985	-0.00135	WERE	'WACO 138KV'	17.96	0.04802	-0.04937	17
WERE	'CITY OF IOLA 69KV'	13.361	-0.00102	WERE	'WACO 138KV'	17.96	0.04802	-0.04904	17
WERE	'EVANS ENERGY CENTER 138KV'	8	0.00161	WERE	'GILL ENERGY CENTER 138KV'	171	0.05328	-0.05167	17
WERE	'NEOSHO ENERGY CENTER 138KV'	40.01758	-0.00095	WERE	'WACO 138KV'	17.96	0.04802	-0.04897	17
WERE	'EVANS ENERGY CENTER 138KV'	8	0.00161	WERE	'WACO 138KV'	17.96	0.04802	-0.04641	18

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

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

Upgrade: GRANDVIEW EAST - MARTIN CITY 161KV CKT 1
Limiting Facility: GRANDVIEW EAST - MARTIN CITY 161KV CKT 1
Direction: To->From
Line Outage: PLEASANT HILL () 345/161/13.8KV TRANSFORMER CKT 1
Flowgate: 592235921O1PHILL737511307SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034307	3.0	3.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.32449	MIPU	'SOUTH HARPER 161KV'	313.0953	0.07845	-0.40294	7
MIPU	'GREENWOOD 161KV'	255.8	-0.32218	MIPU	'SOUTH HARPER 161KV'	313.0953	0.07845	-0.40063	8
MIPU	'ARIES 161KV'	595	-0.32449	MIPU	'LAKE ROAD 161KV'	35	0.00628	-0.33077	9
MIPU	'ARIES 161KV'	595	-0.32449	MIPU	'LAKE ROAD 34KV'	92	0.00628	-0.33077	9
MIPU	'GREENWOOD 161KV'	255.8	-0.32218	MIPU	'LAKE ROAD 161KV'	35	0.00628	-0.32846	9
MIPU	'GREENWOOD 161KV'	255.8	-0.32218	MIPU	'LAKE ROAD 34KV'	92	0.00628	-0.32846	9
MIPU	'ARIES 161KV'	595	-0.32449	MIPU	'SIBLEY 69KV'	45.99999	-0.05752	-0.26697	11
MIPU	'GREENWOOD 161KV'	255.8	-0.32218	MIPU	'SIBLEY 69KV'	45.99999	-0.05752	-0.26466	11
MIPU	'ARIES 161KV'	595	-0.32449	MIPU	'SIBLEY 161KV'	230.9347	-0.07291	-0.25158	12
MIPU	'GREENWOOD 161KV'	255.8	-0.32218	MIPU	'SIBLEY 161KV'	230.9347	-0.07291	-0.24927	12
MIPU	'RALPH GREEN 69KV'	73.7	-0.16126	MIPU	'SOUTH HARPER 161KV'	313.0953	0.07845	-0.23971	13
MIPU	'NEVADA 69KV'	20.3	-0.06273	MIPU	'SOUTH HARPER 161KV'	313.0953	0.07845	-0.14118	21
KACP	'MARSHALL 161KV'	39.1	-0.0355	KACP	'PAOLA COMBUSTION TURBINES 161KV'	34.6272	0.04196	-0.07746	39
KACP	'MARSHALL 161KV'	39.1	-0.0355	KACP	'BULL CREEK 161KV'	308	0.03793	-0.07343	41
KACP	'MONTROSE 161KV'	24.32433	-0.02857	KACP	'PAOLA COMBUSTION TURBINES 161KV'	34.6272	0.04196	-0.07053	43
KACP	'MARSHALL 161KV'	39.1	-0.0355	KACP	'LACYGNE UNIT 345KV'	958	0.03297	-0.06847	44
MIPU	'NEVADA 69KV'	20.3	-0.06273	MIPU	'LAKE ROAD 161KV'	35	0.00628	-0.06901	44
MIPU	'NEVADA 69KV'	20.3	-0.06273	MIPU	'LAKE ROAD 34KV'	92	0.00628	-0.06901	44
KACP	'MONTROSE 161KV'	24.32433	-0.02857	KACP	'BULL CREEK 161KV'	308	0.03793	-0.0665	45
KACP	'MONTROSE 161KV'	24.32433	-0.02857	KACP	'LACYGNE UNIT 345KV'	958	0.03297	-0.06154	49
KACP	'MARSHALL 161KV'	39.1	-0.0355	KACP	'IATAN 345KV'	396	0.01939	-0.05489	55
KACP	'MONTROSE 161KV'	24.32433	-0.02857	KACP	'IATAN 345KV'	396	0.01939	-0.04796	63
KACP	'MARSHALL 161KV'	39.1	-0.0355	KACP	'HAWTHORN 161KV'	455	0.01082	-0.04632	65
KACP	'MARSHALL 161KV'	39.1	-0.0355	KACP	'HAWTHORN 161KV'	314	0.01082	-0.04632	65
SWPA	'TRUMAN 161KV'	78.06458	-0.02902	SWPA	'KEYSTONE DAM 161KV'	59.3624	0.01	-0.03902	77
SWPA	'TRUMAN 161KV'	78.06458	-0.02902	SWPA	'FORT GIBSON 161KV'	42.37316	0.00812	-0.03714	81
SWPA	'TRUMAN 161KV'	78.06458	-0.02902	SWPA	'EUFAULA 138KV'	50.96772	0.00765	-0.03667	82
SWPA	'TRUMAN 161KV'	78.06458	-0.02902	SWPA	'WEBBERS FALLS 161KV'	38.97531	0.00765	-0.03667	82
SWPA	'TRUMAN 161KV'	78.06458	-0.02902	SWPA	'BROKEN BOW 138KV'	93.34087	0.00726	-0.03628	83
SWPA	'TRUMAN 161KV'	78.06458	-0.02902	SWPA	'ROBERT S. KERR 161KV'	107.1321	0.00619	-0.03521	86
SWPA	'TRUMAN 161KV'	78.06458	-0.02902	SWPA	'OZARK 161KV'	77.95062	0.00477	-0.03379	89
SWPA	'TRUMAN 161KV'	78.06458	-0.02902	SWPA	'DARDANELLE 161KV'	105.1334	0.00274	-0.03176	95
SWPA	'TRUMAN 161KV'	78.06458	-0.02902	SWPA	'GREERS FERRY 161KV'	93.34087	0.00157	-0.03059	99

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

Upgrade: GRANDVIEW EAST - MARTIN CITY 161KV CKT 1
Limiting Facility: GRANDVIEW EAST - MARTIN CITY 161KV CKT 1
Direction: To->From
Line Outage: PLEASANT HILL () 345/161/13.8KV TRANSFORMER CKT 1
Flowgate: 592235921O1PHILL737514306SP
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034307	1.1	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.32477	MIPU	'LAKE ROAD 161KV'	35	0.006	-0.33077	3
MIPU	'ARIES 161KV'	595	-0.32477	MIPU	'LAKE ROAD 34KV'	92	0.006	-0.33077	3
MIPU	'ARIES 161KV'	595	-0.32477	MIPU	'SOUTH HARPER 161KV'	315	0.07824	-0.40301	3
MIPU	'GREENWOOD 161KV'	251.3248	-0.32248	MIPU	'LAKE ROAD 161KV'	35	0.006	-0.32848	3
MIPU	'GREENWOOD 161KV'	251.3248	-0.32248	MIPU	'LAKE ROAD 34KV'	92	0.006	-0.32848	3
MIPU	'GREENWOOD 161KV'	251.3248	-0.32248	MIPU	'SOUTH HARPER 161KV'	315	0.07824	-0.40072	3
MIPU	'ARIES 161KV'	595	-0.32477	MIPU	'SIBLEY 69KV'	45.99999	-0.05796	-0.26681	4
MIPU	'GREENWOOD 161KV'	251.3248	-0.32248	MIPU	'SIBLEY 69KV'	45.99999	-0.05796	-0.26452	4
MIPU	'ARIES 161KV'	595	-0.32477	MIPU	'SIBLEY 161KV'	231.1575	-0.07333	-0.25144	5
MIPU	'GREENWOOD 161KV'	251.3248	-0.32248	MIPU	'SIBLEY 161KV'	231.1575	-0.07333	-0.24915	5
MIPU	'RALPH GREEN 69KV'	73.7	-0.16155	MIPU	'SOUTH HARPER 161KV'	315	0.07824	-0.23979	5
MIPU	'NEVADA 69KV'	20.3	-0.06304	MIPU	'SOUTH HARPER 161KV'	315	0.07824	-0.14128	8
KACP	'MARSHALL 161KV'	39.1	-0.03618	KACP	'BULL CREEK 161KV'	308	0.03795	-0.07413	15
KACP	'MARSHALL 161KV'	39.1	-0.03618	KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	0.04189	-0.07807	15
KACP	'MARSHALL 161KV'	39.1	-0.03618	KACP	'LACYGNE UNIT 345KV'	962	0.03291	-0.06909	16
KACP	'MONTROSE 161KV'	28.96063	-0.02892	KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	0.04189	-0.07081	16
MIPU	'NEVADA 69KV'	20.3	-0.06304	MIPU	'LAKE ROAD 161KV'	35	0.006	-0.06904	16
MIPU	'NEVADA 69KV'	20.3	-0.06304	MIPU	'LAKE ROAD 34KV'	92	0.006	-0.06904	16
KACP	'MONTROSE 161KV'	28.96063	-0.02892	KACP	'BULL CREEK 161KV'	308	0.03795	-0.06687	17
KACP	'MONTROSE 161KV'	28.96063	-0.02892	KACP	'LACYGNE UNIT 345KV'	962	0.03291	-0.06183	18
KACP	'MARSHALL 161KV'	39.1	-0.03618	KACP	'IATAN 345KV'	396	0.01924	-0.05542	20
KACP	'MARSHALL 161KV'	39.1	-0.03618	KACP	'NORTHEAST 13KV'	16.14502	0.01288	-0.04906	23
KACP	'MARSHALL 161KV'	39.1	-0.03618	KACP	'HAWTHORN 161KV'	455	0.01023	-0.04641	24
KACP	'MARSHALL 161KV'	39.1	-0.03618	KACP	'HAWTHORN 161KV'	314	0.01023	-0.04641	24
KACP	'MONTROSE 161KV'	28.96063	-0.02892	KACP	'IATAN 345KV'	396	0.01924	-0.04816	24
KACP	'MONTROSE 161KV'	28.96063	-0.02892	KACP	'NORTHEAST 13KV'	16.14502	0.01288	-0.0418	27
KACP	'MONTROSE 161KV'	28.96063	-0.02892	KACP	'HAWTHORN 161KV'	455	0.01023	-0.03915	29
KACP	'MONTROSE 161KV'	28.96063	-0.02892	KACP	'HAWTHORN 161KV'	314	0.01023	-0.03915	29
SWPA	'TRUMAN 161KV'	78.80006	-0.02952	SWPA	'KEYSTONE DAM 161KV'	58.99997	0.01009	-0.03961	29
SWPA	'TRUMAN 161KV'	78.80006	-0.02952	SWPA	'BROKEN BOW 138KV'	92.79996	0.00732	-0.03684	31
SWPA	'TRUMAN 161KV'	78.80006	-0.02952	SWPA	'OZARK 161KV'	58.19997	0.00504	-0.03456	33
SWPA	'TRUMAN 161KV'	78.80006	-0.02952	SWPA	'DARDANELLE 161KV'	105.1999	0.00327	-0.03279	35

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

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

Upgrade: GRAY TAP - PENSACOLA 69KV CKT 1
Limiting Facility: GRAY TAP - PENSACOLA 69KV CKT 1
Direction: To->From
Line Outage: KANSAS - KANSAS TAP 161KV CKT 1
Flowgate: 5446554428154516545141308SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
977481	0.4	0.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
GRDA	'KERR 115KV'	28.5	0.01612	GRDA	'PENSACOLA 69KV'	7.59351	0.12968	-0.11356	4
GRDA	'KERR 161KV'	28.5	0.01035	GRDA	'PENSACOLA 69KV'	7.59351	0.12968	-0.11933	4
GRDA	'SALINA 161KV'	71.38293	0.01035	GRDA	'PENSACOLA 69KV'	7.59351	0.12968	-0.11933	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: GRAY TAP - PENSACOLA 69KV CKT 1
Limiting Facility: GRAY TAP - PENSACOLA 69KV CKT 1
Direction: To->From
Line Outage: KANSAS (KANAUTO1) 161/69/13.8KV TRANSFORMER CKT 1
Flowgate: 54465544281KANSNAUTO15213108SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
977481	0.4	0.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
GRDA	'KERR 115KV'	28.5	0.01612	GRDA	'PENSACOLA 69KV'	7.59351	0.12968	-0.11356	4
GRDA	'KERR 161KV'	28.5	0.01035	GRDA	'PENSACOLA 69KV'	7.59351	0.12968	-0.11933	4
GRDA	'SALINA 161KV'	71.38293	0.01035	GRDA	'PENSACOLA 69KV'	7.59351	0.12968	-0.11933	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: 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: 5876458771158779587951110 6SP
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1035259	2.0	2.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'HARPER 138KV'	2.15	-0.12929	WEPL	'GRAY COUNTY WIND FARM 115KV'	40	0.2269	-0.35619	6
WEPL	'HARPER 138KV'	2.15	-0.12929	WEPL	'JUDSON LARGE 115KV'	112.7696	0.22849	-0.35778	6
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.0431	WEPL	'GRAY COUNTY WIND FARM 115KV'	40	0.2269	-0.27	7
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.0431	WEPL	'JUDSON LARGE 115KV'	112.7696	0.22849	-0.27159	7
WEPL	'GREENLEAF 115KV'	10.15	-0.00929	WEPL	'GRAY COUNTY WIND FARM 115KV'	40	0.2269	-0.23619	8
WEPL	'GREENLEAF 115KV'	10.15	-0.00929	WEPL	'JUDSON LARGE 115KV'	112.7696	0.22849	-0.23778	8
WEPL	'PLAINVILLE 115KV'	5.25	-0.01241	WEPL	'GRAY COUNTY WIND FARM 115KV'	40	0.2269	-0.23931	8
WEPL	'PLAINVILLE 115KV'	5.25	-0.01241	WEPL	'JUDSON LARGE 115KV'	112.7696	0.22849	-0.2409	8
WEPL	'RUSSELL 115KV'	27.9	-0.03378	WEPL	'GRAY COUNTY WIND FARM 115KV'	40	0.2269	-0.26068	8
WEPL	'RUSSELL 115KV'	27.9	-0.03378	WEPL	'JUDSON LARGE 115KV'	112.7696	0.22849	-0.26227	8
WEPL	'SMITH CENTER 115KV'	5.35	-0.018	WEPL	'GRAY COUNTY WIND FARM 115KV'	40	0.2269	-0.2449	8
WEPL	'SMITH CENTER 115KV'	5.35	-0.018	WEPL	'JUDSON LARGE 115KV'	112.7696	0.22849	-0.24649	8
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.0431	WEPL	'CIMARRON RIVER 115KV'	14.59009	0.12092	-0.16402	12
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.0431	WEPL	'SPEARVILLE WIND 34KV'	101	0.12117	-0.16427	12
WEPL	'RUSSELL 115KV'	27.9	-0.03378	WEPL	'CIMARRON RIVER 115KV'	14.59009	0.12092	-0.1547	13
WEPL	'RUSSELL 115KV'	27.9	-0.03378	WEPL	'SPEARVILLE WIND 34KV'	101	0.12117	-0.15495	13
MIDW	'PAWNEE 115KV'	999	-0.09748	MIDW	'COLBY 115KV'	7.627754	0.04599	-0.14347	14
MIDW	'RICE 115KV'	999	-0.09748	MIDW	'COLBY 115KV'	7.627754	0.04599	-0.14347	14
WEPL	'SMITH CENTER 115KV'	5.35	-0.018	WEPL	'CIMARRON RIVER 115KV'	14.59009	0.12092	-0.13892	14
WEPL	'SMITH CENTER 115KV'	5.35	-0.018	WEPL	'SPEARVILLE WIND 34KV'	101	0.12117	-0.13917	14
WEPL	'GREENLEAF 115KV'	10.15	-0.00929	WEPL	'CIMARRON RIVER 115KV'	14.59009	0.12092	-0.13021	15
WEPL	'GREENLEAF 115KV'	10.15	-0.00929	WEPL	'SPEARVILLE WIND 34KV'	101	0.12117	-0.13046	15
WEPL	'PLAINVILLE 115KV'	5.25	-0.01241	WEPL	'CIMARRON RIVER 115KV'	14.59009	0.12092	-0.13333	15
WEPL	'PLAINVILLE 115KV'	5.25	-0.01241	WEPL	'SPEARVILLE WIND 34KV'	101	0.12117	-0.13358	15
WEPL	'CIMARRON RIVER 115KV'	32.40991	0.12092	WEPL	'GRAY COUNTY WIND FARM 115KV'	40	0.2269	-0.10598	19
WEPL	'CIMARRON RIVER 115KV'	32.40991	0.12092	WEPL	'JUDSON LARGE 115KV'	112.7696	0.22849	-0.10757	19
SUNC	'CITY OF NORTON 115KV'	10.56	0.02137	SUNC	'HOLCOMB 115KV'	269.3544	0.08509	-0.06372	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

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

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

Reservation	Relief Amount	Aggregate Relief Amount
1035259	2.4	2.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.54604	-0.04308	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22688	-0.26996	9
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.54604	-0.04308	WEPL	'JUDSON LARGE 115KV'	51.96809	0.22847	-0.27155	9
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.04308	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22688	-0.26996	9
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.04308	WEPL	'JUDSON LARGE 115KV'	51.96809	0.22847	-0.27155	9
WEPL	'RUSSELL 115KV'	27.9	-0.03375	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22688	-0.26063	9
WEPL	'RUSSELL 115KV'	27.9	-0.03375	WEPL	'JUDSON LARGE 115KV'	51.96809	0.22847	-0.26222	9
WEPL	'BELOIT 115KV'	9.25	-0.01447	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22688	-0.24135	10
WEPL	'BELOIT 115KV'	9.25	-0.01447	WEPL	'JUDSON LARGE 115KV'	51.96809	0.22847	-0.24294	10
WEPL	'CLIFTON 115KV'	70	-0.01058	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22688	-0.23746	10
WEPL	'CLIFTON 115KV'	70	-0.01058	WEPL	'JUDSON LARGE 115KV'	51.96809	0.22847	-0.23905	10
WEPL	'GREENLEAF 115KV'	10.15	-0.00925	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22688	-0.23613	10
WEPL	'GREENLEAF 115KV'	10.15	-0.00925	WEPL	'JUDSON LARGE 115KV'	51.96809	0.22847	-0.23772	10
WEPL	'PLAINVILLE 115KV'	5.25	-0.01238	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22688	-0.23926	10
WEPL	'PLAINVILLE 115KV'	5.25	-0.01238	WEPL	'JUDSON LARGE 115KV'	51.96809	0.22847	-0.24085	10
WEPL	'SMITH CENTER 115KV'	5.35	-0.01796	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22688	-0.24484	10
WEPL	'SMITH CENTER 115KV'	5.35	-0.01796	WEPL	'JUDSON LARGE 115KV'	51.96809	0.22847	-0.24643	10
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	46.54604	-0.04308	WEPL	'SPEARVILLE WIND 34KV'	101	0.12117	-0.16425	14
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.04308	WEPL	'SPEARVILLE WIND 34KV'	101	0.12117	-0.16425	14
WEPL	'RUSSELL 115KV'	27.9	-0.03375	WEPL	'SPEARVILLE WIND 34KV'	101	0.12117	-0.15492	15
MIDW	'PAWNEE 115KV'	999	-0.09747	MIDW	'COLBY 115KV'	7.638093	0.04598	-0.14345	16
MIDW	'RICE 115KV'	999	-0.09747	MIDW	'COLBY 115KV'	7.638093	0.04598	-0.14345	16
WEPL	'BELOIT 115KV'	9.25	-0.01447	WEPL	'SPEARVILLE WIND 34KV'	101	0.12117	-0.13564	17
WEPL	'CLIFTON 115KV'	70	-0.01058	WEPL	'SPEARVILLE WIND 34KV'	101	0.12117	-0.13175	18
WEPL	'GREENLEAF 115KV'	10.15	-0.00925	WEPL	'SPEARVILLE WIND 34KV'	101	0.12117	-0.13042	18
WEPL	'CIMARRON RIVER 115KV'	72	0.12085	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22688	-0.10603	22
WEPL	'CIMARRON RIVER 115KV'	72	0.12085	WEPL	'JUDSON LARGE 115KV'	51.96809	0.22847	-0.10762	22

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

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: 587645877115877958795131O6SH
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1035259	4.0	4.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.04311	WEPL	'SPEARVILLE WIND 34KV'	101	0.12113	-0.16424	25
WEPL	'RUSSELL 115KV'	27.9	-0.03379	WEPL	'SPEARVILLE WIND 34KV'	101	0.12113	-0.15492	26
WEPL	'CLIFTON 115KV'	44.00903	-0.01063	WEPL	'SPEARVILLE WIND 34KV'	101	0.12113	-0.13176	31
WEPL	'CIMARRON RIVER 115KV'	72	0.12074	WEPL	'GRAY COUNTY WIND FARM 115KV'	40	0.22683	-0.10609	38
WEPL	'CIMARRON RIVER 115KV'	72	0.12074	WEPL	'JUDSON LARGE 115KV'	113.3252	0.22842	-0.10768	38

Maximum Decrement and Maximum Increment were determine from the Souce 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: 587645877115877958795131O6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1035259	8.9	8.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	60.66934	-0.04317	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22675	-0.26992	33
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	60.66934	-0.04317	WEPL	'JUDSON LARGE 115KV'	52.79977	0.22834	-0.27151	33
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.04317	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22675	-0.26992	33
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.04317	WEPL	'JUDSON LARGE 115KV'	52.79977	0.22834	-0.27151	33
WEPL	'RUSSELL 115KV'	27.9	-0.03384	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22675	-0.26059	34
WEPL	'RUSSELL 115KV'	27.9	-0.03384	WEPL	'JUDSON LARGE 115KV'	52.79977	0.22834	-0.26218	34
WEPL	'CLIFTON 115KV'	70	-0.01067	WEPL	'JUDSON LARGE 115KV'	52.79977	0.22834	-0.23901	37
WEPL	'CLIFTON 115KV'	70	-0.01067	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22675	-0.23742	38
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	60.66934	-0.04317	WEPL	'SPEARVILLE WIND 34KV'	101	0.12104	-0.16421	54
WEPL	'RUSSELL 115KV'	27.9	-0.03384	WEPL	'SPEARVILLE WIND 34KV'	101	0.12104	-0.15488	58
WEPL	'CLIFTON 115KV'	70	-0.01067	WEPL	'SPEARVILLE WIND 34KV'	101	0.12104	-0.13171	68
WEPL	'CIMARRON RIVER 115KV'	72	0.12064	WEPL	'JUDSON LARGE 115KV'	52.79977	0.22834	-0.1077	83
WEPL	'CIMARRON RIVER 115KV'	72	0.12064	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22675	-0.10611	84

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

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

Upgrade: HAMON BUTLER - MOREWOOD 69KV CKT 1
Limiting Facility: HAMON BUTLER - MOREWOOD 69KV CKT 1
Direction: From->To
Line Outage: MOORELAND - MOREWOOD SW 138KV CKT 1
Flowgate: 559425600015599956001112O7AP
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
1023236	0.6	1.5
1032973	0.9	1.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'AES 161KV'	160	0.0006	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08967	17
OKGE	'HORSESHOE LAKE 69KV'	16	0.00172	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08855	17
OKGE	'MCCLAIN 138KV'	520	0.00172	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08855	17
OKGE	'MUSKOGEE 161KV'	166	0.001	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08927	17
OKGE	'MUSKOGEE 161KV'	31	0.001	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08927	17
OKGE	'MUSKOGEE 345KV'	714.4385	0.00097	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.0893	17
OKGE	'SEMINOLE 138KV'	507.9516	0.00043	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08984	17
OKGE	'SEMINOLE 345KV'	996.6	0.00092	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08935	17
OKGE	'TINKER 5G 138KV'	62	0.00166	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08861	17
OKGE	'AES 161KV'	160	0.0006	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08403	18
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08833	18
OKGE	'HORSESHOE LAKE 138KV'	91	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08833	18
OKGE	'HORSESHOE LAKE 138KV'	380	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08833	18
OKGE	'MUSKOGEE 161KV'	166	0.001	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08363	18
OKGE	'MUSKOGEE 161KV'	31	0.001	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08363	18
OKGE	'MUSKOGEE 345KV'	714.4385	0.00097	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08366	18
OKGE	'MUSTANG 138KV'	365.5	0.00244	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08783	18
OKGE	'MUSTANG 69KV'	106	0.00321	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08706	18
OKGE	'ONE OAK 345KV'	336	0.00295	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08732	18
OKGE	'REDBUD 345KV'	421.65	0.00223	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08804	18
OKGE	'REDBUD 345KV'	900	0.00223	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08804	18
OKGE	'SEMINOLE 138KV'	507.9516	0.00043	OKGE	'FPLWND2 34KV'	102	0.08463	-0.0842	18
OKGE	'SEMINOLE 345KV'	996.6	0.00092	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08371	18
OKGE	'SMITH COGEN 138KV'	110	0.00228	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08799	18
OKGE	'HORSESHOE LAKE 138KV'	91	0.00194	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08269	19
OKGE	'HORSESHOE LAKE 138KV'	380	0.00194	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08269	19
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00194	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08269	19
OKGE	'HORSESHOE LAKE 69KV'	16	0.00172	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08291	19
OKGE	'MCCLAIN 138KV'	520	0.00172	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08291	19
OKGE	'MUSTANG 138KV'	365.5	0.00244	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08219	19
OKGE	'MUSTANG 69KV'	106	0.00321	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08142	19
OKGE	'ONE OAK 345KV'	336	0.00295	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08168	19
OKGE	'REDBUD 345KV'	900	0.00223	OKGE	'FPLWND2 34KV'	102	0.08463	-0.0824	19
OKGE	'REDBUD 345KV'	421.65	0.00223	OKGE	'FPLWND2 34KV'	102	0.08463	-0.0824	19
OKGE	'SMITH COGEN 138KV'	110	0.00228	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08235	19
OKGE	'SOONER 138KV'	24.99997	0.0068	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08347	19
OKGE	'TINKER 5G 138KV'	62	0.00166	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08297	19
OKGE	'SOONER 138KV'	24.99997	0.0068	OKGE	'FPLWND2 34KV'	102	0.08463	-0.07783	20
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02149	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.06878	22
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02149	OKGE	'FPLWND2 34KV'	102	0.08463	-0.06314	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: HAMON BUTLER - MOREWOOD 69KV CKT 1
Limiting Facility: HAMON BUTLER - MOREWOOD 69KV CKT 1
Direction: From->To
Line Outage: MOORELAND - MOREWOOD SW 138KV CKT 1
Flowgate: 559425600015599956001114O6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	2.7	6.7
1032973	4.0	6.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'SEMINOLE 138KV'	396.5154	0.00043	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08985	74
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08834	75
OKGE	'HORSESHOE LAKE 138KV'	380	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08834	75
OKGE	'HORSESHOE LAKE 138KV'	91	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08834	75
OKGE	'MCCLAIN 138KV'	42	0.00172	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08856	75
OKGE	'MUSKOGEE 161KV'	31	0.00099	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08929	75
OKGE	'MUSKOGEE 161KV'	166	0.00099	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08929	75
OKGE	'SEMINOLE 345KV'	556.0863	0.00091	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08937	75
OKGE	'TINKER 5G 138KV'	62	0.00166	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08862	75
OKGE	'MUSTANG 138KV'	365.5	0.00244	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08784	76
OKGE	'ONE OAK 345KV'	336	0.00294	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08734	76
OKGE	'REDBUD 345KV'	421.65	0.00223	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08805	76
OKGE	'REDBUD 345KV'	900	0.00223	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08805	76
OKGE	'MUSTANG 69KV'	106	0.00321	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08707	77
OKGE	'SEMINOLE 138KV'	396.5154	0.00043	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08421	79
OKGE	'MCCLAIN 138KV'	42	0.00172	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08292	80
OKGE	'MUSKOGEE 161KV'	31	0.00099	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08365	80
OKGE	'SEMINOLE 345KV'	556.0863	0.00091	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08373	80
OKGE	'TINKER 5G 138KV'	62	0.00166	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08298	80
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00775	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08253	81
OKGE	'HORSESHOE LAKE 138KV'	380	0.00194	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0827	81
OKGE	'HORSESHOE LAKE 138KV'	91	0.00194	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0827	81
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00194	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0827	81
OKGE	'MUSTANG 138KV'	365.5	0.00244	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0822	81
OKGE	'REDBUD 345KV'	900	0.00223	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08241	81
OKGE	'REDBUD 345KV'	421.65	0.00223	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08241	81
OKGE	'MUSTANG 69KV'	106	0.00321	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08143	82
OKGE	'ONE OAK 345KV'	336	0.00294	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0817	82
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00775	OKGE	'FPLWND2 34KV'	102	0.08464	-0.07689	87
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02149	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.06879	97
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02149	OKGE	'FPLWND2 34KV'	102	0.08464	-0.06315	105

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

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

Upgrade: HAMON BUTLER - MOREWOOD 69KV CKT 1
Limiting Facility: HAMON BUTLER - MOREWOOD 69KV CKT 1
Direction: From->To
Line Outage: MOORELAND - MOREWOOD SW 138KV CKT 1
Flowgate: 559425600015599956001114O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1023236	1.0	2.4
1032973	1.4	2.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'MUSKOGEE 345KV'	20	0.00098	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08931	26
OKGE	'SEMINOLE 138KV'	21.88794	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08985	26
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00195	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08834	27
OKGE	'HORSESHOE LAKE 138KV'	380	0.00195	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08834	27
OKGE	'MCCLAIN 138KV'	42	0.00175	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08854	27
OKGE	'MUSKOGEE 161KV'	166	0.001	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08929	27
OKGE	'MUSKOGEE 161KV'	31	0.001	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08929	27
OKGE	'MUSTANG 138KV'	365.5	0.00244	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08785	27
OKGE	'MUSTANG 69KV'	55.54833	0.00321	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08708	27
OKGE	'ONE OAK 345KV'	274	0.00295	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08734	27
OKGE	'REDBUD 345KV'	421.65	0.00224	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08805	27
OKGE	'REDBUD 345KV'	900	0.00224	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08805	27
OKGE	'TINKER 5G 138KV'	62	0.00167	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08862	27
OKGE	'MUSKOGEE 161KV'	31	0.001	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08365	28
OKGE	'MUSKOGEE 161KV'	166	0.001	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08365	28
OKGE	'MUSKOGEE 345KV'	20	0.00098	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08367	28
OKGE	'SEMINOLE 138KV'	21.88794	0.00044	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08421	28
OKGE	'SOONER 138KV'	24.99997	0.0068	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08349	28
OKGE	'HORSESHOE LAKE 138KV'	380	0.00195	OKGE	'FPLWND2 34KV'	102	0.08465	-0.0827	29
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00195	OKGE	'FPLWND2 34KV'	102	0.08465	-0.0827	29
OKGE	'MCCLAIN 138KV'	42	0.00175	OKGE	'FPLWND2 34KV'	102	0.08465	-0.0829	29
OKGE	'MUSTANG 138KV'	365.5	0.00244	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08221	29
OKGE	'MUSTANG 69KV'	55.54833	0.00321	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08144	29
OKGE	'ONE OAK 345KV'	274	0.00295	OKGE	'FPLWND2 34KV'	102	0.08465	-0.0817	29
OKGE	'REDBUD 345KV'	900	0.00224	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08241	29
OKGE	'REDBUD 345KV'	421.65	0.00224	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08241	29
OKGE	'TINKER 5G 138KV'	62	0.00167	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08298	29
OKGE	'SOONER 138KV'	24.99997	0.0068	OKGE	'FPLWND2 34KV'	102	0.08465	-0.07785	30
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02149	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.0688	34
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02149	OKGE	'FPLWND2 34KV'	102	0.08465	-0.06316	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: HAMON BUTLER - MOREWOOD 69KV CKT 1
Limiting Facility: HAMON BUTLER - MOREWOOD 69KV CKT 1
Direction: From->To
Line Outage: MOORELAND - MOREWOOD SW 138KV CKT 1
Flowgate: 559425600015599956001114O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	4.4	10.9
1032973	6.5	10.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'MUSKOGEE 161KV'	166	0.00099	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.0893	122
OKGE	'TINKER 5G 138KV'	62	0.00167	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08862	122
OKGE	'HORSESHOE LAKE 138KV'	291.8271	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08835	123
OKGE	'MCCLAIN 138KV'	42	0.00175	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08854	123
OKGE	'REDBUD 345KV'	900	0.00224	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08805	123
OKGE	'REDBUD 345KV'	421.65	0.00224	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08805	123
OKGE	'ONE OAK 345KV'	261	0.00295	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08734	124
OKGE	'MUSKOGEE 161KV'	166	0.00099	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08366	130
OKGE	'HORSESHOE LAKE 138KV'	291.8271	0.00194	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08271	131
OKGE	'TINKER 5G 138KV'	62	0.00167	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08298	131
OKGE	'REDBUD 345KV'	421.65	0.00224	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08241	132
OKGE	'REDBUD 345KV'	900	0.00224	OKGE	'FPLWND2 34KV'	102	0.08465	-0.08241	132
OKGE	'ONE OAK 345KV'	261	0.00295	OKGE	'FPLWND2 34KV'	102	0.08465	-0.0817	133

Maximum Decrement and Maximum Increment were determine from the 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: HAMON BUTLER - MOREWOOD 69KV CKT 1
Limiting Facility: HAMON BUTLER - MOREWOOD 69KV CKT 1
Direction: From->To
Line Outage: MOORELAND - MOREWOOD SW 138KV CKT 1
Flowgate: 559425600015599956001114O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	2.2	5.3
1032973	3.2	5.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'SEMINOLE 138KV'	305.3336	0.00043	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08985	59
OKGE	'AES 161KV'	78.99999	0.00058	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0897	60
OKGE	'HORSESHOE LAKE 138KV'	380	0.00193	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08835	60
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00193	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08835	60
OKGE	'HORSESHOE LAKE 138KV'	91	0.00193	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08835	60
OKGE	'MCCLAIN 138KV'	42	0.00173	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08855	60
OKGE	'MUSKOGEE 161KV'	166	0.00098	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0893	60
OKGE	'MUSKOGEE 161KV'	31	0.00098	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0893	60
OKGE	'MUSKOGEE 345KV'	20	0.00096	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08932	60
OKGE	'SEMINOLE 345KV'	507.6	0.00091	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08937	60
OKGE	'TINKER 5G 138KV'	62	0.00165	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08863	60
OKGE	'MUSTANG 138KV'	365.5	0.00242	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08786	61
OKGE	'MUSTANG 69KV'	106	0.00319	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08709	61
OKGE	'ONE OAK 345KV'	319	0.00294	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08734	61
OKGE	'REDBUD 345KV'	900	0.00223	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08805	61
OKGE	'REDBUD 345KV'	421.65	0.00223	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08805	61
OKGE	'SEMINOLE 138KV'	305.3336	0.00043	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.08421	63
OKGE	'MCCLAIN 138KV'	42	0.00173	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.08291	64
OKGE	'MUSKOGEE 161KV'	31	0.00098	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.08366	64
OKGE	'MUSKOGEE 161KV'	166	0.00098	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.08366	64
OKGE	'SEMINOLE 345KV'	507.6	0.00091	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.08373	64
OKGE	'SOONER 138KV'	24.99997	0.00678	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0835	64
OKGE	'TINKER 5G 138KV'	62	0.00165	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.08299	64
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00193	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.08271	65
OKGE	'HORSESHOE LAKE 138KV'	380	0.00193	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.08271	65
OKGE	'HORSESHOE LAKE 138KV'	91	0.00193	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.08271	65
OKGE	'MUSTANG 138KV'	365.5	0.00242	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.08222	65
OKGE	'ONE OAK 345KV'	319	0.00294	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.0817	65
OKGE	'REDBUD 345KV'	421.65	0.00223	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.08241	65
OKGE	'REDBUD 345KV'	900	0.00223	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.08241	65
OKGE	'MUSTANG 69KV'	106	0.00319	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.08145	66
OKGE	'SOONER 138KV'	24.99997	0.00678	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.07786	69
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02148	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.0688	78
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02148	OKGE	'FPLWND2 34KV'	101.9968	0.08464	-0.06316	85

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

Upgrade: HAMON BUTLER - MOREWOOD 69KV CKT 1
Limiting Facility: HAMON BUTLER - MOREWOOD 69KV CKT 1
Direction: From->To
Line Outage: MOORELAND - MOREWOOD SW 138KV CKT 1
Flowgate: 559425600015599956001142O6SP
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	7.2	7.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'MUSKOGEE 161KV'	166	0.001	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08519	84
OKGE	'MUSKOGEE 161KV'	31	0.001	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08519	84
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08425	85
OKGE	'HORSESHOE LAKE 138KV'	337.7	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08425	85
OKGE	'MCCLAIN 138KV'	42	0.00178	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08441	85
OKGE	'REDBUD 345KV'	421.65	0.00226	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08393	85
OKGE	'REDBUD 345KV'	253	0.00226	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08393	85
OKGE	'MUSTANG 138KV'	142.3571	0.00252	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08367	86
OKGE	'ONE OAK 345KV'	261	0.00297	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08322	86
OKGE	'MUSKOGEE 161KV'	166	0.001	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08163	88
OKGE	'MUSKOGEE 161KV'	31	0.001	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08163	88
OKGE	'HORSESHOE LAKE 138KV'	337.7	0.00194	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08069	89
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00194	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08069	89
OKGE	'MCCLAIN 138KV'	42	0.00178	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08085	89
OKGE	'MUSTANG 138KV'	142.3571	0.00252	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08011	89
OKGE	'REDBUD 345KV'	253	0.00226	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08037	89
OKGE	'REDBUD 345KV'	421.65	0.00226	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08037	89
OKGE	'ONE OAK 345KV'	261	0.00297	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.07966	90
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00765	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.07854	91
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00765	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.07498	95
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02113	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.06506	110
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02113	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.0615	116

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

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

Upgrade: IODINE - WOODWARD 138kV CKT 1
Limiting Facility: MOORELAND 138/69KV TRANSFORMER CKT 1
Direction: To->From
Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
Flowgate: 559955599915599955781410 6SH
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1032973	11.0	11.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00055	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50514	22
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00055	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50514	22
OKGE	'HORSESHOE LAKE 138KV'	91	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	22
OKGE	'HORSESHOE LAKE 138KV'	380	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	22
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	22
OKGE	'HORSESHOE LAKE 138KV'	91	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	22
OKGE	'HORSESHOE LAKE 69KV'	16	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	22
OKGE	'HORSESHOE LAKE 69KV'	16	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	22
OKGE	'MCCLAIN 138KV'	42	0.00044	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50415	22
OKGE	'MCCLAIN 138KV'	42	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50415	22
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50455	22
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50455	22
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50455	22
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50455	22
OKGE	'MUSKOGEE 345KV'	20	0.00006	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50453	22
OKGE	'MUSKOGEE 345KV'	20	0.00006	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50453	22
OKGE	'MUSTANG 138KV'	365.5	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50415	22
OKGE	'MUSTANG 69KV'	106	0.00049	OKGE	'FPLWND2 34KV'	102	0.50459	-0.5041	22
OKGE	'MUSTANG 69KV'	106	0.00049	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.5041	22
OKGE	'ONE OAK 345KV'	236	0.00015	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50444	22
OKGE	'REDBUD 345KV'	460	0.00017	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50442	22
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50442	22
OKGE	'REDBUD 345KV'	460	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50442	22
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50442	22
OKGE	'SEMINOLE 138KV'	46.75327	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50436	22
OKGE	'SEMINOLE 345KV'	406.08	0.00023	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50436	22
OKGE	'SEMINOLE 345KV'	406.08	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50436	22
OKGE	'SOONER 138KV'	24.99997	-0.00038	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50497	22
OKGE	'SOONER 138KV'	24.99997	-0.00038	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50497	22
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00198	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50657	22
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00198	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50657	22
OKGE	'TINKER 5G 138KV'	62	0.0003	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50429	22
OKGE	'TINKER 5G 138KV'	62	0.0003	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50429	22

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

Upgrade: IODINE - WOODWARD 138kV CKT 1
Limiting Facility: MOORELAND 138/69KV TRANSFORMER CKT 1
Direction: To->From
Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
Flowgate: 559955599915599955781430 6FA
Date Redispatch Needed: 10/1/06 - 12/1/06
Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	20.5	20.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00055	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50514	41
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00055	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50514	41
OKGE	'HORSESHOE LAKE 138KV'	380	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	41
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	41
OKGE	'HORSESHOE LAKE 138KV'	91	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	41
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	41
OKGE	'HORSESHOE LAKE 138KV'	380	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	41
OKGE	'HORSESHOE LAKE 138KV'	91	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	41
OKGE	'HORSESHOE LAKE 69KV'	16	0.00026	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50433	41
OKGE	'HORSESHOE LAKE 69KV'	16	0.00026	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50433	41
OKGE	'MCCLAIN 138KV'	42	0.00044	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50415	41
OKGE	'MCCLAIN 138KV'	42	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50415	41
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50455	41
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50455	41
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50455	41
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50455	41
OKGE	'MUSKOGEE 345KV'	20	0.00006	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50453	41
OKGE	'MUSKOGEE 345KV'	20	0.00006	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50453	41
OKGE	'MUSTANG 138KV'	365.5	0.00044	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50415	41
OKGE	'MUSTANG 138KV'	365.5	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50415	41
OKGE	'MUSTANG 69KV'	106	0.00049	OKGE	'FPLWND2 34KV'	102	0.50459	-0.5041	41
OKGE	'MUSTANG 69KV'	106	0.00049	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.5041	41
OKGE	'ONE OAK 345KV'	236	0.00015	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50444	41
OKGE	'ONE OAK 345KV'	236	0.00015	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50444	41
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50442	41
OKGE	'REDBUD 345KV'	900	0.00017	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50442	41
OKGE	'REDBUD 345KV'	900	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50442	41
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50442	41
OKGE	'SEMINOLE 138KV'	262.361	0.00023	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50436	41
OKGE	'SEMINOLE 138KV'	262.361	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50436	41
OKGE	'SEMINOLE 345KV'	507.6	0.00023	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50436	41
OKGE	'SEMINOLE 345KV'	507.6	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50436	41
OKGE	'SOONER 138KV'	24.99997	-0.00038	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50497	41
OKGE	'SOONER 138KV'	24.99997	-0.00038	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50497	41
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00199	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50658	41
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00199	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50658	41
OKGE	'TINKER 5G 138KV'	62	0.0003	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50429	41
OKGE	'TINKER 5G 138KV'	62	0.0003	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50429	41

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

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

Upgrade: IODINE - WOODWARD 138kV CKT 1
Limiting Facility: MOORELAND - WOODWARD 69KV CKT 1
Direction: To->From
Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
Flowgate: 559955609615599955781410 6FA
Date Redispatch Needed: 10/1/06 - 12/1/06
Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	21.7	21.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00055	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50514	43
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00055	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50514	43
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	43
OKGE	'HORSESHOE LAKE 138KV'	380	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	43
OKGE	'HORSESHOE LAKE 138KV'	91	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	43
OKGE	'HORSESHOE LAKE 138KV'	380	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	43
OKGE	'HORSESHOE LAKE 138KV'	91	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	43
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	43
OKGE	'HORSESHOE LAKE 69KV'	16	0.00026	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50433	43
OKGE	'HORSESHOE LAKE 69KV'	16	0.00026	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50433	43
OKGE	'MCCLAIN 138KV'	42	0.00044	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50415	43
OKGE	'MCCLAIN 138KV'	42	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50415	43
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50455	43
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50455	43
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50455	43
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50455	43
OKGE	'MUSKOGEE 345KV'	20	0.00006	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50453	43
OKGE	'MUSKOGEE 345KV'	20	0.00006	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50453	43
OKGE	'MUSTANG 138KV'	365.5	0.00044	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50415	43
OKGE	'MUSTANG 138KV'	365.5	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50415	43
OKGE	'MUSTANG 69KV'	106	0.00049	OKGE	'FPLWND2 34KV'	102	0.50459	-0.5041	43
OKGE	'MUSTANG 69KV'	106	0.00049	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.5041	43
OKGE	'ONE OAK 345KV'	236	0.00015	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50444	43
OKGE	'ONE OAK 345KV'	236	0.00015	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50444	43
OKGE	'REDBUD 345KV'	900	0.00017	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50442	43
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50442	43
OKGE	'REDBUD 345KV'	900	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50442	43
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50442	43
OKGE	'SEMINOLE 138KV'	262.1518	0.00023	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50436	43
OKGE	'SEMINOLE 138KV'	262.1518	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50436	43
OKGE	'SEMINOLE 345KV'	507.6	0.00023	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50436	43
OKGE	'SEMINOLE 345KV'	507.6	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50436	43
OKGE	'SOONER 138KV'	24.99997	-0.00038	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50497	43
OKGE	'SOONER 138KV'	24.99997	-0.00038	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50497	43
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00199	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50658	43
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00199	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50658	43
OKGE	'TINKER 5G 138KV'	62	0.0003	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50429	43
OKGE	'TINKER 5G 138KV'	62	0.0003	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50429	43

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

Upgrade: IODINE - WOODWARD 138kV CKT 1
Limiting Facility: MOORELAND - WOODWARD 69KV CKT 1
Direction: To->From
Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
Flowgate: 559955609615599955781410 6SH
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1032973	14.1	14.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00055	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50514	28
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00055	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50514	28
OKGE	'HORSESHOE LAKE 138KV'	91	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	28
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	28
OKGE	'HORSESHOE LAKE 138KV'	91	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	28
OKGE	'HORSESHOE LAKE 138KV'	380	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	28
OKGE	'HORSESHOE LAKE 69KV'	16	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	28
OKGE	'HORSESHOE LAKE 69KV'	16	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	28
OKGE	'MCCLAIN 138KV'	42	0.00044	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50415	28
OKGE	'MCCLAIN 138KV'	42	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50415	28
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50455	28
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50455	28
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50455	28
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50455	28
OKGE	'MUSKOGEE 345KV'	20	0.00006	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50453	28
OKGE	'MUSKOGEE 345KV'	20	0.00006	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50453	28
OKGE	'MUSTANG 138KV'	365.5	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50415	28
OKGE	'MUSTANG 69KV'	106	0.00049	OKGE	'FPLWND2 34KV'	102	0.50459	-0.5041	28
OKGE	'MUSTANG 69KV'	106	0.00049	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.5041	28
OKGE	'ONE OAK 345KV'	236	0.00015	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50444	28
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50442	28
OKGE	'REDBUD 345KV'	460	0.00017	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50442	28
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50442	28
OKGE	'REDBUD 345KV'	460	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50442	28
OKGE	'SEMINOLE 138KV'	46.75327	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50436	28
OKGE	'SEMINOLE 345KV'	406.08	0.00023	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50436	28
OKGE	'SEMINOLE 345KV'	406.08	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50436	28
OKGE	'SOONER 138KV'	24.99997	-0.00038	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50497	28
OKGE	'SOONER 138KV'	24.99997	-0.00038	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50497	28
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00198	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50657	28
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00198	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50657	28
OKGE	'TINKER 5G 138KV'	62	0.0003	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50429	28
OKGE	'TINKER 5G 138KV'	62	0.0003	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50429	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

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

Upgrade: IODINE - WOODWARD 138kV CKT 1
Limiting Facility: MOORELAND - WOODWARD 69KV CKT 1
Direction: To->From
Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
Flowgate: 559955609615599955781440 6SP
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	1.1	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00055	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50514	2
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00055	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50514	2
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00027	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50432	2
OKGE	'HORSESHOE LAKE 138KV'	337.7	0.00027	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50432	2
OKGE	'HORSESHOE LAKE 138KV'	337.7	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	2
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	2
OKGE	'MCCLAIN 138KV'	42	0.00044	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50415	2
OKGE	'MCCLAIN 138KV'	42	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50415	2
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50455	2
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50455	2
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50455	2
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50455	2
OKGE	'MUSKOGEE 345KV'	20	0.00006	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50453	2
OKGE	'MUSKOGEE 345KV'	20	0.00006	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50453	2
OKGE	'MUSTANG 138KV'	144.278	0.00044	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50415	2
OKGE	'MUSTANG 138KV'	144.278	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50415	2
OKGE	'ONE OAK 345KV'	261	0.00015	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50444	2
OKGE	'ONE OAK 345KV'	261	0.00015	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50444	2
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50442	2
OKGE	'REDBUD 345KV'	253	0.00017	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50442	2
OKGE	'REDBUD 345KV'	253	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50442	2
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50442	2
OKGE	'SEMINOLE 138KV'	20.41733	0.00023	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50436	2
OKGE	'SEMINOLE 138KV'	20.41733	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50436	2
OKGE	'SOONER 138KV'	24.99997	-0.00038	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50497	2
OKGE	'SOONER 138KV'	24.99997	-0.00038	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50497	2
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00198	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50657	2
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00198	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50657	2
OKGE	'TINKER 5G 138KV'	62	0.0003	OKGE	'FPLWND2 34KV'	101.9968	0.50459	-0.50429	2
OKGE	'TINKER 5G 138KV'	62	0.0003	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50429	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: IODINE - WOODWARD 138kV CKT 1
Limiting Facility: WOODWARD - WOODWARD 69KV CKT 1
Direction: From->To
Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
Flowgate: 560965478215599955785111 06SP
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	71.2	71.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	71
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	71
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	71
OKGE	'HORSESHOE LAKE 138KV'	337.7	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	71
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	71
OKGE	'HORSESHOE LAKE 138KV'	337.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	71
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	71
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	71
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	71
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	71
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	71
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	71
OKGE	'MUSTANG 138KV'	147.798	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	71
OKGE	'MUSTANG 138KV'	147.798	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	71
OKGE	'ONE OAK 345KV'	204	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	71
OKGE	'ONE OAK 345KV'	204	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	71
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	71
OKGE	'REDBUD 345KV'	460	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	71
OKGE	'REDBUD 345KV'	460	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	71
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	71
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	71
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	71
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	71
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	71

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

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

Upgrade: IODINE - WOODWARD 138kV CKT 1
Limiting Facility: WOODWARD - WOODWARD 69KV CKT 1
Direction: From->To
Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
Flowgate: 560965478215599955785113O6FA
Date Redispatch Needed: 10/1/06 - 12/1/06
Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	72.2	72.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'MUSTANG 69KV'	106	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'MUSTANG 69KV'	106	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'ONE OAK 345KV'	236	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'ONE OAK 345KV'	236	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'REDBUD 345KV'	900	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'REDBUD 345KV'	900	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'SEMINOLE 138KV'	262.6606	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'SEMINOLE 138KV'	262.6606	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'SEMINOLE 345KV'	507.6	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'SEMINOLE 345KV'	507.6	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'SOONER 138KV'	24.99997	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	72
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'FPLWND2 34KV'	102	1	-1	72
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	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: IODINE - WOODWARD 138kV CKT 1
Limiting Facility: WOODWARD - WOODWARD 69KV CKT 1
Direction: From->To
Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
Flowgate: 560965478215599955785144O6SH
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1032973	79.9	79.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'MUSTANG 69KV'	106	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'MUSTANG 69KV'	106	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'ONE OAK 345KV'	293	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'ONE OAK 345KV'	293	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'REDBUD 345KV'	253	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'REDBUD 345KV'	253	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'SEMINOLE 138KV'	32.63217	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'SEMINOLE 138KV'	32.63217	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'SEMINOLE 345KV'	389.3251	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'SEMINOLE 345KV'	389.3251	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'FPLWND2 34KV'	102	1	-1	80
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	80

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

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

Upgrade: IODINE - WOODWARD 138kV CKT 1
Limiting Facility: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
Flowgate: WODODWRD21421559995578511406SH
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1032973	82.3	82.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'MUSTANG 69KV'	106	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'MUSTANG 69KV'	106	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'ONE OAK 345KV'	293	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'ONE OAK 345KV'	293	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'REDBUD 345KV'	253	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'REDBUD 345KV'	253	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'SEMINOLE 138KV'	33.341	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'SEMINOLE 138KV'	33.341	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'SEMINOLE 345KV'	389.3251	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'SEMINOLE 345KV'	389.3251	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82

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

Upgrade: IODINE - WOODWARD 138kV CKT 1
Limiting Facility: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
Flowgate: WODODWRD21421559995578514106SP
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	81.2	81.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	81
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	81
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	81
OKGE	'HORSESHOE LAKE 138KV'	337.7	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	81
OKGE	'HORSESHOE LAKE 138KV'	337.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	81
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	81
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	81
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	81
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	81
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	81
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	81
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	81
OKGE	'MUSTANG 138KV'	147.798	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	81
OKGE	'MUSTANG 138KV'	147.798	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	81
OKGE	'ONE OAK 345KV'	204	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	81
OKGE	'ONE OAK 345KV'	204	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	81
OKGE	'REDBUD 345KV'	460	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	81
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	81
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	81
OKGE	'REDBUD 345KV'	460	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	81
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	81
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	81

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

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

Upgrade: IODINE - WOODWARD 138kV CKT 1
Limiting Facility: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
Flowgate: WODODWRD21421559995578514306FA
Date Redispatch Needed: 10/1/06 - 12/1/06
Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	82.6	82.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'MUSTANG 138KV'	365.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'MUSTANG 69KV'	106	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'MUSTANG 69KV'	106	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'ONE OAK 345KV'	236	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'ONE OAK 345KV'	236	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'REDBUD 345KV'	900	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'REDBUD 345KV'	900	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'SEMINOLE 138KV'	262.361	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'SEMINOLE 138KV'	262.361	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'SEMINOLE 345KV'	507.6	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'SEMINOLE 345KV'	507.6	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	'TINKER 5G 138KV'	62	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	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: JEC - SWISSVALE 345KV
Limiting Facility: HOYT - JEFFERY ENERGY CENTER 345KV CKT 1
Direction: To->From
Line Outage: JEFFERY ENERGY CENTER - MORRIS COUNTY 345KV CKT 1
Flowgate: 5676556766156766567701110 8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.6	7.5
1034590	1.4	7.5
1034595	1.1	7.5
1035259	4.4	7.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'HOLTON 115KV'	13.23199	-0.08285	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.59652	-0.67937	11
WERE	'CHANUTE 69KV'	24.963	0.01031	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.59652	-0.58621	13
WERE	'CITY OF FREDONIA 69KV'	4.994	0.01343	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.59652	-0.58309	13
WERE	'CITY OF GIRARD 69KV'	6.108	0.00751	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.59652	-0.58901	13
WERE	'CITY OF IOLA 69KV'	13.157	0.00784	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.59652	-0.58868	13
WERE	'GETTY 69KV'	35	0.03236	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.59652	-0.56416	13
WERE	'HOLTON 115KV'	13.23199	-0.08285	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50336	-0.58621	13
WERE	'CITY OF MULVANE 69KV'	7.5	0.03807	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.59652	-0.55845	14
WERE	'EVANS ENERGY CENTER 138KV'	162	0.04238	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.59652	-0.55414	14
WERE	'CHANUTE 69KV'	24.963	0.01031	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50336	-0.49305	15
WERE	'CITY OF GIRARD 69KV'	6.108	0.00751	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50336	-0.49585	15
WERE	'CITY OF IOLA 69KV'	13.157	0.00784	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50336	-0.49552	15
WERE	'CITY OF MULVANE 69KV'	7.5	0.03807	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50336	-0.46529	16
WERE	'EVANS ENERGY CENTER 138KV'	162	0.04238	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50336	-0.46098	16
WERE	'GETTY 69KV'	35	0.03236	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50336	-0.471	16
WERE	'HOLTON 115KV'	13.23199	-0.08285	WERE	'SMOKEY HILLS 34KV'	50	0.30925	-0.3921	19
WERE	'HOLTON 115KV'	13.23199	-0.08285	WERE	'ABILENE ENERGY CENTER 115KV'	45	0.2952	-0.37805	20
WERE	'HOLTON 115KV'	13.23199	-0.08285	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.30006	-0.38291	20
WERE	'HOLTON 115KV'	13.23199	-0.08285	WERE	'HUTCHINSON ENERGY CENTER 115KV'	240	0.27593	-0.35878	21
WERE	'HOLTON 115KV'	13.23199	-0.08285	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.27586	-0.35871	21
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.27895	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.59652	-0.31757	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	83	0.27593	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.59652	-0.32059	24
WERE	'BPU - CITY OF MCPHERSON 115KV'	9.000002	0.30006	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.59652	-0.29646	25
WERE	'CITY OF IOLA 69KV'	13.157	0.00784	WERE	'SMOKEY HILLS 34KV'	50	0.30925	-0.30141	25
WERE	'CITY OF IOLA 69KV'	13.157	0.00784	WERE	'ABILENE ENERGY CENTER 115KV'	45	0.2952	-0.28736	26
WERE	'CITY OF IOLA 69KV'	13.157	0.00784	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.30006	-0.29222	26
WERE	'GETTY 69KV'	35	0.03236	WERE	'SMOKEY HILLS 34KV'	50	0.30925	-0.27689	27
WERE	'CITY OF IOLA 69KV'	13.157	0.00784	WERE	'HUTCHINSON ENERGY CENTER 115KV'	240	0.27593	-0.26809	28
WERE	'CITY OF IOLA 69KV'	13.157	0.00784	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.27586	-0.26802	28
WERE	'EVANS ENERGY CENTER 138KV'	162	0.04238	WERE	'SMOKEY HILLS 34KV'	50	0.30925	-0.26687	28
WERE	'GETTY 69KV'	35	0.03236	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.30006	-0.2677	28
WERE	'EVANS ENERGY CENTER 138KV'	162	0.04238	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.30006	-0.25768	29
WERE	'GETTY 69KV'	35	0.03236	WERE	'ABILENE ENERGY CENTER 115KV'	45	0.2952	-0.26284	29
WERE	'EVANS ENERGY CENTER 138KV'	162	0.04238	WERE	'ABILENE ENERGY CENTER 115KV'	45	0.2952	-0.25282	30
WERE	'GETTY 69KV'	35	0.03236	WERE	'HUTCHINSON ENERGY CENTER 115KV'	240	0.27593	-0.24357	31
WERE	'GETTY 69KV'	35	0.03236	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.27586	-0.2435	31
WERE	'EVANS ENERGY CENTER 138KV'	162	0.04238	WERE	'HUTCHINSON ENERGY CENTER 115KV'	240	0.27593	-0.23355	32
WERE	'EVANS ENERGY CENTER 138KV'	162	0.04238	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.27586	-0.23348	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	83	0.27593	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50336	-0.22743	33
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.27895	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50336	-0.22441	34
WEPL	'CIMARRON RIVER 115KV'	47	0.11351	WEPL	'RUSSELL 115KV'	25.25	0.23544	-0.12193	62
WEPL	'CIMARRON RIVER 115KV'	47	0.11351	WEPL	'CLIFTON 115KV'	59.01147	0.22599	-0.11248	67
WEPL	'CIMARRON RIVER 115KV'	47	0.11351	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	0.21946	-0.10595	71

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

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

Upgrade: JEC - SWISSVALE 345KV
Limiting Facility: HOYT - JEFFERY ENERGY CENTER 345KV CKT 1
Direction: To->From
Line Outage: JEFFERY ENERGY CENTER - MORRIS COUNTY 345KV CKT 1
Flowgate: 5676556766156766567701130 7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	2.5	31.1
1034590	6.1	31.1
1034595	4.7	31.1
1035259	17.7	31.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF ERIE 69KV'	26.53	0.01056	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59738	-0.58682	53
WERE	'CITY OF IOLA 69KV'	23.063	0.00842	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59738	-0.58896	53
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.0103	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59738	-0.58708	53
WERE	'CITY OF WINFIELD 69KV'	34.68	0.03279	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59738	-0.56459	55
WERE	'GETTY 69KV'	35	0.03201	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59738	-0.56537	55
WERE	'EVANS ENERGY CENTER 138KV'	313	0.04201	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59738	-0.55537	56
WERE	'GILL ENERGY CENTER 69KV'	118	0.04119	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59738	-0.55619	56
WERE	'CITY OF ERIE 69KV'	26.53	0.01056	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50439	-0.49383	63
WERE	'CITY OF IOLA 69KV'	23.063	0.00842	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50439	-0.49597	63
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.0103	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50439	-0.49409	63
WERE	'CITY OF WINFIELD 69KV'	34.68	0.03279	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50439	-0.4716	66
WERE	'GETTY 69KV'	35	0.03201	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50439	-0.47238	66
WERE	'EVANS ENERGY CENTER 138KV'	313	0.04201	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50439	-0.46238	67
WERE	'GILL ENERGY CENTER 69KV'	118	0.04119	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50439	-0.4632	67
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.27632	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59738	-0.32106	97
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.27625	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59738	-0.32113	97
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.0103	WERE	'SMOKEY HILLS 34KV'	50	0.30958	-0.29928	104
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.0103	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30051	-0.29021	107
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.0103	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29592	-0.28562	109
WERE	'EVANS ENERGY CENTER 138KV'	313	0.04201	WERE	'SMOKEY HILLS 34KV'	50	0.30958	-0.26757	116
WERE	'GILL ENERGY CENTER 69KV'	118	0.04119	WERE	'SMOKEY HILLS 34KV'	50	0.30958	-0.26839	116
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.0103	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.27632	-0.26602	117
WERE	'EVANS ENERGY CENTER 138KV'	313	0.04201	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30051	-0.2585	120
WERE	'GILL ENERGY CENTER 69KV'	118	0.04119	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30051	-0.25932	120
WERE	'GILL ENERGY CENTER 69KV'	118	0.04119	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.27632	-0.23513	132
WERE	'EVANS ENERGY CENTER 138KV'	313	0.04201	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.27632	-0.23431	133
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.27632	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50439	-0.22807	136
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.27625	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50439	-0.22814	136

Maximum Decrement and Maximum Increment were determine from the 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: JEC - SWISSVALE 345KV
Limiting Facility: HOYT - JEFFERY ENERGY CENTER 345KV CKT 1
Direction: To->From
Line Outage: JEFFERY ENERGY CENTER - MORRIS COUNTY 345KV CKT 1
Flowgate: 56765567661567665677013107G
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
1034589	0.1	0.6
1034590	0.1	0.6
1034595	0.1	0.6
1035259	0.4	0.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BROWN COUNTY 115KV'	4.3	-0.0071	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.51282	1
WERE	'BROWN COUNTY 115KV'	4.3	-0.0071	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.60585	1
WERE	'CHANUTE 69KV'	40.21	0.01077	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.49495	1
WERE	'CHANUTE 69KV'	40.21	0.01077	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.58798	1
WERE	'CITY OF AUGUSTA 69KV'	3.04	0.03348	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.47224	1
WERE	'CITY OF AUGUSTA 69KV'	3.04	0.03348	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.56527	1
WERE	'CITY OF BURLINGTON 69KV'	2	0.01648	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.48924	1
WERE	'CITY OF BURLINGTON 69KV'	2	0.01648	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.58227	1
WERE	'CITY OF ERIE 69KV'	26.53	0.01077	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.49495	1
WERE	'CITY OF ERIE 69KV'	26.53	0.01077	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.58798	1
WERE	'CITY OF FREDONIA 69KV'	10.294	0.01345	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.49227	1
WERE	'CITY OF FREDONIA 69KV'	10.294	0.01345	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.5853	1
WERE	'CITY OF GIRARD 69KV'	8.174	0.00787	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.49785	1
WERE	'CITY OF GIRARD 69KV'	8.174	0.00787	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.59088	1
WERE	'CITY OF IOLA 69KV'	20.548	0.00864	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.49708	1
WERE	'CITY OF IOLA 69KV'	20.548	0.00864	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.59011	1
WERE	'CITY OF MULVANE 69KV'	10.868	0.0378	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.46792	1
WERE	'CITY OF MULVANE 69KV'	10.868	0.0378	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.56095	1
WERE	'CITY OF NEODESHA 69KV'	4.5	0.01321	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.49251	1
WERE	'CITY OF NEODESHA 69KV'	4.5	0.01321	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.58554	1
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.09475	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.504	1
WERE	'CITY OF WELLINGTON 69KV'	4	0.0361	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.46962	1
WERE	'CITY OF WELLINGTON 69KV'	4	0.0361	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.56265	1
WERE	'CITY OF WINFIELD 69KV'	28.55602	0.03287	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.47285	1
WERE	'CITY OF WINFIELD 69KV'	28.55602	0.03287	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.56588	1
WERE	'EVANS ENERGY CENTER 138KV'	283	0.04221	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.46351	1
WERE	'EVANS ENERGY CENTER 138KV'	283	0.04221	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.55654	1
WERE	'GETTY 69KV'	35	0.03224	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.47348	1
WERE	'GETTY 69KV'	35	0.03224	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.56651	1
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.04266	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.46306	1
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.04266	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.55609	1
WERE	'GILL ENERGY CENTER 69KV'	118	0.04126	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.46446	1
WERE	'GILL ENERGY CENTER 69KV'	118	0.04126	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.55749	1
WERE	'HOLTON 115KV'	19.8	-0.08122	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.58694	1
WERE	'HOLTON 115KV'	19.8	-0.08122	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.67997	1
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.0391	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.46662	1
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.0391	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.55965	1
WERE	'LAWRENCE ENERGY CENTER 230KV'	57.47137	0.06453	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.44119	1
WERE	'LAWRENCE ENERGY CENTER 230KV'	57.47137	0.06453	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.53422	1
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.01051	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.49521	1
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.01051	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.58824	1
WERE	'OXFORD 138KV'	3	0.03375	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.47197	1
WERE	'OXFORD 138KV'	3	0.03375	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.565	1
WERE	'SOUTH SENECA 115KV'	15	0.02526	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.48046	1
WERE	'SOUTH SENECA 115KV'	15	0.02526	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.57349	1
WERE	'ABILENE ENERGY CENTER 115KV'	5.999996	0.29787	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.30088	2
WERE	'BPU - CITY OF MCPHERSON 115KV'	39	0.30007	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.29868	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.0071	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.30497	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.0071	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.30717	2
WERE	'BROWN COUNTY 115KV'	4.3	-0.0071	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.27376	-0.28086	2
WERE	'CHANUTE 69KV'	40.21	0.01077	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.2871	2
WERE	'CHANUTE 69KV'	40.21	0.01077	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.2893	2
WERE	'CHANUTE 69KV'	40.21	0.01077	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.27376	-0.26299	2
WERE	'CITY OF AUGUSTA 69KV'	3.04	0.03348	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.26439	2
WERE	'CITY OF AUGUSTA 69KV'	3.04	0.03348	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.26659	2
WERE	'CITY OF BURLINGTON 69KV'	2	0.01648	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.28139	2
WERE	'CITY OF BURLINGTON 69KV'	2	0.01648	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.28359	2
WERE	'CITY OF ERIE 69KV'	26.53	0.01077	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.2871	2
WERE	'CITY OF ERIE 69KV'	26.53	0.01077	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.2893	2
WERE	'CITY OF ERIE 69KV'	26.53	0.01077	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.27376	-0.26299	2
WERE	'CITY OF FREDONIA 69KV'	10.294	0.01345	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.28442	2
WERE	'CITY OF FREDONIA 69KV'	10.294	0.01345	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.28662	2
WERE	'CITY OF FREDONIA 69KV'	10.294	0.01345	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.27376	-0.26031	2
WERE	'CITY OF GIRARD 69KV'	8.174	0.00787	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.29	2
WERE	'CITY OF GIRARD 69KV'	8.174	0.00787	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.2922	2
WERE	'CITY OF GIRARD 69KV'	8.174	0.00787	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.27376	-0.26589	2
WERE	'CITY OF IOLA 69KV'	20.548	0.00864	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.28923	2
WERE	'CITY OF IOLA 69KV'	20.548	0.00864	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.29143	2
WERE	'CITY OF IOLA 69KV'	20.548	0.00864	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.27376	-0.26512	2
WERE	'CITY OF MULVANE 69KV'	10.868	0.0378	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.26007	2
WERE	'CITY OF MULVANE 69KV'	10.868	0.0378	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.26227	2
WERE	'CITY OF NEODESHA 69KV'	4.5	0.01321	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.28466	2
WERE	'CITY OF NEODESHA 69KV'	4.5	0.01321	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.28686	2
WERE	'CITY OF NEODESHA 69KV'	4.5	0.01321	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.27376	-0.26055	2
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.09475	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.41097	2
WERE	'CITY OF WELLINGTON 69KV'	4	0.0361	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.26177	2
WERE	'CITY OF WELLINGTON 69KV'	4	0.0361	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.26397	2
WERE	'CITY OF WINFIELD 69KV'	28.55602	0.03287	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.265	2
WERE	'CITY OF WINFIELD 69KV'	28.55602	0.03287	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.2672	2
WERE	'GETTY 69KV'	35	0.03224	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.26563	2
WERE	'GETTY 69KV'	35	0.03224	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.26783	2
WERE	'HOLTON 115KV'	19.8	-0.08122	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.37909	2
WERE	'HOLTON 115KV'	19.8	-0.08122	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.38129	2
WERE	'HOLTON 115KV'	19.8	-0.08122	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.27376	-0.35498	2
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.27376	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.32499	2
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.27369	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.32506	2
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.0391	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.26097	2
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.01051	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.28736	2
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.01051	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.28956	2
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.01051	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.27376	-0.26325	2
WERE	'OXFORD 138KV'	3	0.03375	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.26412	2
WERE	'OXFORD 138KV'	3	0.03375	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.26632	2
WERE	'SOUTH SENECA 115KV'	15	0.02526	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29787	-0.27261	2
WERE	'SOUTH SENECA 115KV'	15	0.02526	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.30007	-0.27481	2
WERE	'ST JOHN 115KV'	2.9	0.20399	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.30173	2
WERE	'ST JOHN 115KV'	2.9	0.20399	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.59875	-0.39476	2
WERE	'ABILENE ENERGY CENTER 115KV'	5.999996	0.29787	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.20785	3
WERE	'BPU - CITY OF MCPHERSON 115KV'	39	0.30007	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.50572	-0.20565	3
WERE	'CITY OF AUGUSTA 69KV'	3.04	0.03348	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.27376	-0.24028	3
WERE	'CITY OF BURLINGTON 69KV'	2	0.01648	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.27376	-0.25728	3

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

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

Upgrade: JEC - SWISSVALE 345KV
Limiting Facility: HOYT - JEFFERY ENERGY CENTER 345KV CKT 1
Direction: To->From
Line Outage: LANG - MORRIS COUNTY 345KV CKT 1
Flowgate: 5676556766156769567701110 7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.6	16.5
1034590	1.5	16.5
1034595	3.1	16.5
1035259	11.3	16.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CHANUTE 69KV'	45.782	0.0096	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.5609	29
WERE	'CITY OF ERIE 69KV'	26.53	0.0096	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.5609	29
WERE	'CITY OF IOLA 69KV'	23.063	0.00755	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.56295	29
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00937	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.56113	29
WERE	'CITY OF FREDONIA 69KV'	10.294	0.01219	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.55831	30
WERE	'SOUTH SENECA 115KV'	15	0.02744	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.54306	30
WERE	'CITY OF MULVANE 69KV'	11.999	0.03517	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.53533	31
WERE	'CITY OF WINFIELD 69KV'	34.68	0.03088	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.53962	31
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.03867	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.53183	31
WERE	'GETTY 69KV'	35	0.0295	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.541	31
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.04061	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.52989	31
WERE	'GILL ENERGY CENTER 69KV'	73	0.03895	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.53155	31
WERE	'CHANUTE 69KV'	45.782	0.0096	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.49188	-0.48228	34
WERE	'CITY OF ERIE 69KV'	26.53	0.0096	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.49188	-0.48228	34
WERE	'CITY OF IOLA 69KV'	23.063	0.00755	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.49188	-0.48433	34
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00937	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.49188	-0.48251	34
WERE	'CITY OF WINFIELD 69KV'	34.68	0.03088	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.49188	-0.461	36
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.03867	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.49188	-0.45321	36
WERE	'GETTY 69KV'	35	0.0295	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.49188	-0.46238	36
WERE	'GILL ENERGY CENTER 69KV'	73	0.03895	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.49188	-0.45293	36
WERE	'SOUTH SENECA 115KV'	15	0.02744	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.49188	-0.46444	36
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.04061	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.49188	-0.45127	37
WERE	'CITY OF IOLA 69KV'	23.063	0.00755	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.36454	-0.35699	46
WERE	'CITY OF ERIE 69KV'	26.53	0.0096	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.36454	-0.35494	47
WERE	'CITY OF ERIE 69KV'	26.53	0.0096	WERE	'SMOKEY HILLS 34KV'	50	0.36068	-0.35108	47
WERE	'CITY OF IOLA 69KV'	23.063	0.00755	WERE	'SMOKEY HILLS 34KV'	50	0.36068	-0.35313	47
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00937	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.36454	-0.35517	47
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00937	WERE	'SMOKEY HILLS 34KV'	50	0.36068	-0.35131	47
WERE	'CITY OF ERIE 69KV'	26.53	0.0096	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.35268	-0.34308	48
WERE	'CITY OF IOLA 69KV'	23.063	0.00755	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.35268	-0.34513	48
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00937	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.35268	-0.34331	48
WERE	'GETTY 69KV'	35	0.0295	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.36454	-0.33504	49
WERE	'CITY OF WINFIELD 69KV'	34.68	0.03088	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.36454	-0.33366	50
WERE	'CITY OF WINFIELD 69KV'	34.68	0.03088	WERE	'SMOKEY HILLS 34KV'	50	0.36068	-0.3298	50
WERE	'GETTY 69KV'	35	0.0295	WERE	'SMOKEY HILLS 34KV'	50	0.36068	-0.33118	50
WERE	'CITY OF WINFIELD 69KV'	34.68	0.03088	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.35268	-0.3218	51
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.03867	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.36454	-0.32587	51
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.03867	WERE	'SMOKEY HILLS 34KV'	50	0.36068	-0.32201	51
WERE	'GETTY 69KV'	35	0.0295	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.35268	-0.32318	51
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.04061	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.36454	-0.32393	51
WERE	'GILL ENERGY CENTER 69KV'	73	0.03895	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.36454	-0.32559	51
WERE	'GILL ENERGY CENTER 69KV'	73	0.03895	WERE	'SMOKEY HILLS 34KV'	50	0.36068	-0.32173	51
WERE	'CITY OF IOLA 69KV'	23.063	0.00755	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.32432	-0.31677	52
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.04061	WERE	'SMOKEY HILLS 34KV'	50	0.36068	-0.32007	52
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00937	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.32432	-0.31495	52
WERE	'CITY OF ERIE 69KV'	26.53	0.0096	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.32432	-0.31472	53
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.03867	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.35268	-0.31401	53
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.04061	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.35268	-0.31207	53
WERE	'GILL ENERGY CENTER 69KV'	73	0.03895	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.35268	-0.31373	53
WERE	'CITY OF WINFIELD 69KV'	34.68	0.03088	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.32432	-0.29344	56
WERE	'GETTY 69KV'	35	0.0295	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.32432	-0.29482	56
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.03867	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.32432	-0.28565	58
WERE	'GILL ENERGY CENTER 69KV'	73	0.03895	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.32432	-0.28537	58
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.32432	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.24618	67
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.32424	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.24626	67
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.35471	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.5705	-0.21579	77
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.32432	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.49188	-0.16756	99
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.32424	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.49188	-0.16764	99
KACP	'BULL CREEK 161KV'	308	-0.03604	KACP	'LACYGNE UNIT 345KV'	958	-0.00529	-0.03075	538

Maximum Decrement and Maximum Increment were determine from the 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: JEC - SWISSVALE 345KV
Limiting Facility: HOYT - JEFFERY ENERGY CENTER 345KV CKT 1
Direction: To->From
Line Outage: AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1
Flowgate: 5676556766156851568521110 7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	1.4	28.9
1034590	3.4	28.9
1034595	4.8	28.9
1035259	19.3	28.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF ERIE 69KV'	26.53	0.01584	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.55914	-0.5433	53
WERE	'CITY OF IOLA 69KV'	23.063	0.01269	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.55914	-0.54645	53
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.01547	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.55914	-0.54367	53
WERE	'CITY OF IOLA 69KV'	23.063	0.01269	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53277	-0.52008	55
WERE	'CITY OF ERIE 69KV'	26.53	0.01584	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53277	-0.51693	56
WERE	'GETTY 69KV'	35	0.04836	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.55914	-0.51078	56
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.01547	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53277	-0.5173	56
WERE	'CITY OF WINFIELD 69KV'	34.68	0.04848	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.55914	-0.51066	57
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.06413	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.55914	-0.49501	58
WERE	'GILL ENERGY CENTER 69KV'	73	0.06072	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.55914	-0.49842	58
WERE	'CITY OF WINFIELD 69KV'	34.68	0.04848	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53277	-0.48429	60
WERE	'GETTY 69KV'	35	0.04836	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53277	-0.48441	60
WERE	'GILL ENERGY CENTER 69KV'	73	0.06072	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53277	-0.47205	61
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.06413	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53277	-0.46864	62
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.01547	WERE	'SMOKEY HILLS 34KV'	50	0.31963	-0.30416	95
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.01547	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.31247	-0.297	97
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.01547	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.30842	-0.29295	98
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.01547	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.28988	-0.27441	105
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.28988	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.55914	-0.26926	107
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.28981	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.55914	-0.26933	107
WERE	'GILL ENERGY CENTER 69KV'	73	0.06072	WERE	'SMOKEY HILLS 34KV'	50	0.31963	-0.25891	111
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.06413	WERE	'SMOKEY HILLS 34KV'	50	0.31963	-0.2555	113
WERE	'GILL ENERGY CENTER 69KV'	73	0.06072	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.31247	-0.25175	115
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.06413	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.31247	-0.24834	116
WERE	'GILL ENERGY CENTER 69KV'	73	0.06072	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.30842	-0.2477	116
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.06413	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.30842	-0.24429	118
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.28988	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53277	-0.24289	119
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.28981	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53277	-0.24296	119
WERE	'GILL ENERGY CENTER 69KV'	73	0.06072	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.28988	-0.22916	126
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.06413	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.28988	-0.22575	128
KACP	'BULL CREEK 161KV'	308	-0.04355	KACP	'LACYGNE UNIT 345KV'	958	-0.00567	-0.03788	762
KACP	'HAWTHORN 161KV'	338.5728	-0.03669	KACP	'LACYGNE UNIT 345KV'	958	-0.00567	-0.03102	930

Maximum Decrement and Maximum Increment were determe from the 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: JEC - SWISSVALE 345KV
Limiting Facility: HOYT - JEFFERY ENERGY CENTER 345KV CKT 1
Direction: To->From
Line Outage: AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1
Flowgate: 5676556766156851568521 1108SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.3	4.8
1034590	0.8	4.8
1034595	0.7	4.8
1035259	3.0	4.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'HOLTON 115KV'	13.23199	-0.11343	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53167	-0.6451	7
WERE	'HOLTON 115KV'	13.23199	-0.11343	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.55828	-0.67171	7
WERE	'CHANUTE 69KV'	24.963	0.0157	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53167	-0.51597	9
WERE	'CHANUTE 69KV'	24.963	0.0157	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.55828	-0.54258	9
WERE	'CITY OF FREDONIA 69KV'	4.994	0.02011	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53167	-0.51156	9
WERE	'CITY OF FREDONIA 69KV'	4.994	0.02011	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.55828	-0.53817	9
WERE	'CITY OF GIRARD 69KV'	6.108	0.01144	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53167	-0.52023	9
WERE	'CITY OF GIRARD 69KV'	6.108	0.01144	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.55828	-0.54684	9
WERE	'CITY OF IOLA 69KV'	13.157	0.0122	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53167	-0.51947	9
WERE	'CITY OF IOLA 69KV'	13.157	0.0122	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.55828	-0.54608	9
WERE	'GETTY 69KV'	35	0.04882	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.55828	-0.50946	9
WERE	'OXFORD 138KV'	3	0.05045	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.55828	-0.50783	9
WERE	'CITY OF MULVANE 69KV'	7.5	0.05686	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53167	-0.47481	10
WERE	'CITY OF MULVANE 69KV'	7.5	0.05686	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.55828	-0.50142	10
WERE	'EVANS ENERGY CENTER 138KV'	162	0.0646	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53167	-0.46707	10
WERE	'EVANS ENERGY CENTER 138KV'	162	0.0646	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.55828	-0.49368	10
WERE	'GETTY 69KV'	35	0.04882	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53167	-0.48285	10
WERE	'HOLTON 115KV'	13.23199	-0.11343	WERE	'ABILENE ENERGY CENTER 115KV'	45	0.30767	-0.4211	11
WERE	'HOLTON 115KV'	13.23199	-0.11343	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.31201	-0.42544	11
WERE	'HOLTON 115KV'	13.23199	-0.11343	WERE	'SMOKEY HILLS 34KV'	50	0.3193	-0.43273	11
WERE	'HOLTON 115KV'	13.23199	-0.11343	WERE	'HUTCHINSON ENERGY CENTER 115KV'	240	0.2895	-0.40293	12
WERE	'HOLTON 115KV'	13.23199	-0.11343	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.28943	-0.40286	12
WERE	'CITY OF GIRARD 69KV'	6.108	0.01144	WERE	'ABILENE ENERGY CENTER 115KV'	45	0.30767	-0.29623	16
WERE	'CITY OF GIRARD 69KV'	6.108	0.01144	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.31201	-0.30057	16
WERE	'CITY OF GIRARD 69KV'	6.108	0.01144	WERE	'SMOKEY HILLS 34KV'	50	0.3193	-0.30786	16
WERE	'CITY OF IOLA 69KV'	13.157	0.0122	WERE	'ABILENE ENERGY CENTER 115KV'	45	0.30767	-0.29547	16
WERE	'CITY OF IOLA 69KV'	13.157	0.0122	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.31201	-0.29981	16
WERE	'CITY OF IOLA 69KV'	13.157	0.0122	WERE	'SMOKEY HILLS 34KV'	50	0.3193	-0.3071	16
WERE	'CITY OF GIRARD 69KV'	6.108	0.01144	WERE	'HUTCHINSON ENERGY CENTER 115KV'	240	0.2895	-0.27806	17
WERE	'CITY OF GIRARD 69KV'	6.108	0.01144	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.28943	-0.27799	17
WERE	'CITY OF IOLA 69KV'	13.157	0.0122	WERE	'HUTCHINSON ENERGY CENTER 115KV'	240	0.2895	-0.2773	17
WERE	'CITY OF IOLA 69KV'	13.157	0.0122	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.28943	-0.27723	17
WERE	'CITY OF MULVANE 69KV'	7.5	0.05686	WERE	'SMOKEY HILLS 34KV'	50	0.3193	-0.26244	18
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.29229	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.55828	-0.26599	18
WERE	'GETTY 69KV'	35	0.04882	WERE	'ABILENE ENERGY CENTER 115KV'	45	0.30767	-0.25885	18
WERE	'GETTY 69KV'	35	0.04882	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.31201	-0.26319	18
WERE	'GETTY 69KV'	35	0.04882	WERE	'SMOKEY HILLS 34KV'	50	0.3193	-0.27048	18
WERE	'HUTCHINSON ENERGY CENTER 115KV'	83	0.2895	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.55828	-0.26878	18
WERE	'HUTCHINSON ENERGY CENTER 69KV'	6.999996	0.28943	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.55828	-0.26885	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	9.000002	0.31201	WERE	'JEFFREY ENERGY CENTER 345KV'	940.71	0.55828	-0.24627	19
WERE	'CITY OF MULVANE 69KV'	7.5	0.05686	WERE	'ABILENE ENERGY CENTER 115KV'	45	0.30767	-0.25081	19
WERE	'CITY OF MULVANE 69KV'	7.5	0.05686	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.31201	-0.25515	19
WERE	'EVANS ENERGY CENTER 138KV'	162	0.0646	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	0.31201	-0.24741	19
WERE	'EVANS ENERGY CENTER 138KV'	162	0.0646	WERE	'SMOKEY HILLS 34KV'	50	0.3193	-0.2547	19
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.29229	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53167	-0.23938	20
WERE	'EVANS ENERGY CENTER 138KV'	162	0.0646	WERE	'ABILENE ENERGY CENTER 115KV'	45	0.30767	-0.24307	20
WERE	'GETTY 69KV'	35	0.04882	WERE	'HUTCHINSON ENERGY CENTER 115KV'	240	0.2895	-0.24068	20
WERE	'GETTY 69KV'	35	0.04882	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.28943	-0.24061	20
WERE	'HUTCHINSON ENERGY CENTER 115KV'	83	0.2895	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53167	-0.24217	20
WERE	'HUTCHINSON ENERGY CENTER 69KV'	6.999996	0.28943	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53167	-0.24224	20
WERE	'CITY OF MULVANE 69KV'	7.5	0.05686	WERE	'HUTCHINSON ENERGY CENTER 115KV'	240	0.2895	-0.23264	21
WERE	'CITY OF MULVANE 69KV'	7.5	0.05686	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.28943	-0.23257	21
WERE	'EVANS ENERGY CENTER 138KV'	162	0.0646	WERE	'HUTCHINSON ENERGY CENTER 115KV'	240	0.2895	-0.2249	21
WERE	'EVANS ENERGY CENTER 138KV'	162	0.0646	WERE	'HUTCHINSON ENERGY CENTER 69KV'	45	0.28943	-0.22483	21
WERE	'BPU - CITY OF MCPHERSON 115KV'	9.000002	0.31201	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.53167	-0.21966	22
WEPL	'CIMARRON RIVER 115KV'	47	0.11977	WEPL	'BELOIT 115KV'	9.25	0.29924	-0.17947	27
WEPL	'CIMARRON RIVER 115KV'	47	0.11977	WEPL	'RUSSELL 115KV'	25.25	0.24582	-0.12605	38
WEPL	'CIMARRON RIVER 115KV'	47	0.11977	WEPL	'CLIFTON 115KV'	59.01147	0.23322	-0.11345	42
WEPL	'CIMARRON RIVER 115KV'	47	0.11977	WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	0.22919	-0.10942	44
WEPL	'CIMARRON RIVER 115KV'	47	0.11977	WEPL	'SPEARVILLE WIND 34KV'	101	0.15573	-0.03596	133
KACP	'GRAND AVENUE 161KV'	65	-0.03998	KACP	'LACYGNE UNIT 345KV'	958	-0.00424	-0.03574	134
KACP	'NORTHEAST 13KV'	59	-0.03976	KACP	'LACYGNE UNIT 345KV'	958	-0.00424	-0.03552	135
KACP	'NORTHEAST 161KV'	58	-0.03976	KACP	'LACYGNE UNIT 345KV'	958	-0.00424	-0.03552	135
KACP	'NORTHEAST 161KV'	58	-0.03976	KACP	'LACYGNE UNIT 345KV'	958	-0.00424	-0.03552	135
SWPA	'TRUMAN 161KV'	78.12726	-0.01334	SWPA	'KEYSTONE DAM 161KV'	59.52565	0.02139	-0.03473	138
AEPW	'ARSENAL HILL 69KV'	75	0.01238	AEPW	'WEATHERFORD 34KV'	148	0.04305	-0.03067	156
AEPW	'LIEBERMAN 138KV'	137	0.0126	AEPW	'WEATHERFORD 34KV'	148	0.04305	-0.03045	157
AEPW	'TENASKA GATEWAY 345KV'	937.03	0.01292	AEPW	'WEATHERFORD 34KV'	148	0.04305	-0.03013	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

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

Upgrade: JEC - SWISSVALE 345KV
Limiting Facility: AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1
Direction: To->From
Line Outage: HOYT - JEFFERY ENERGY CENTER 345KV CKT 1
Flowgate: 568515685215676556766111O7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.7	14.0
1034590	1.8	14.0
1034595	2.2	14.0
1035259	9.3	14.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF ERIE 69KV'	26.53	0.00201	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.37054	-0.36853	38
WERE	'CITY OF IOLA 69KV'	23.063	0.0008	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.37054	-0.36974	38
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00192	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.37054	-0.36862	38
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01343	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.37054	-0.35711	39
WERE	'GETTY 69KV'	35	0.01329	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.37054	-0.35725	39
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01753	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.37054	-0.35301	40
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.01808	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.37054	-0.35246	40
WERE	'GILL ENERGY CENTER 69KV'	73	0.01732	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.37054	-0.35322	40
WERE	'SOUTH SENECA 115KV'	15	0.03116	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.37054	-0.33938	41
WERE	'CITY OF ERIE 69KV'	26.53	0.00201	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.29904	-0.29703	47
WERE	'CITY OF IOLA 69KV'	23.063	0.0008	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.29904	-0.29824	47
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00192	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.29904	-0.29712	47
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01343	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.29904	-0.28561	49
WERE	'GETTY 69KV'	35	0.01329	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.29904	-0.28575	49
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01753	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.29904	-0.28151	50
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.01808	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.29904	-0.28096	50
WERE	'GILL ENERGY CENTER 69KV'	73	0.01732	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.29904	-0.28172	50
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.12575	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.37054	-0.24479	57
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.13684	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.37054	-0.2337	60
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.13681	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.37054	-0.23373	60
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.12575	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.29904	-0.17329	81
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.13684	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.29904	-0.1622	86
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.13681	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.29904	-0.16223	86
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00192	WERE	'SMOKEY HILLS 34KV'	50	0.15459	-0.15267	92
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00192	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.14834	-0.14642	96
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01343	WERE	'SMOKEY HILLS 34KV'	50	0.15459	-0.14116	99
WERE	'GETTY 69KV'	35	0.01329	WERE	'SMOKEY HILLS 34KV'	50	0.15459	-0.1413	99
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01753	WERE	'SMOKEY HILLS 34KV'	50	0.15459	-0.13706	102
WERE	'GILL ENERGY CENTER 69KV'	73	0.01732	WERE	'SMOKEY HILLS 34KV'	50	0.15459	-0.13727	102
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00192	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.13777	-0.13585	103
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01343	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.14834	-0.13491	104
WERE	'GETTY 69KV'	35	0.01329	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.14834	-0.13505	104
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00192	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.13684	-0.13492	104
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01753	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.14834	-0.13081	107
WERE	'GILL ENERGY CENTER 69KV'	73	0.01732	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.14834	-0.13102	107
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01753	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.13777	-0.12024	116
WERE	'GILL ENERGY CENTER 69KV'	73	0.01732	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.13777	-0.12045	116
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01753	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.13684	-0.11931	117
WERE	'GILL ENERGY CENTER 69KV'	73	0.01732	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.13684	-0.11952	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

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

Upgrade: KELLY - KING HILL N.M. COOP 115KV CKT 1
Limiting Facility: KELLY - KING HILL N.M. COOP 115KV CKT 1
Direction: To->From
Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
Flowgate: 57217573311567655677211307WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.3	1.1
1034590	0.8	1.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.34283	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.33742	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.03507	-0.33409	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.35606	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.36126	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.33647	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.35937	3
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.32703	3
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.33223	3
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.33034	3
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'CITY OF AUGUSTA 69KV'	24.09998	0.00207	-0.30109	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'CITY OF MULVANE 69KV'	3.791	0.00831	-0.30733	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.00808	-0.3071	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'CITY OF WINFIELD 69KV'	5.32	0.00689	-0.30591	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'EVANS ENERGY CENTER 138KV'	340	0.0107	-0.30972	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'GILL ENERGY CENTER 138KV'	155	0.00936	-0.30838	4
WERE	'BROWN COUNTY 115KV'	4.3	-0.29902	WERE	'WACO 138KV'	17.93	0.0095	-0.30852	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.3138	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.30839	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'CITY OF MULVANE 69KV'	3.791	0.00831	-0.2783	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'EVANS ENERGY CENTER 138KV'	340	0.0107	-0.28069	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'GILL ENERGY CENTER 138KV'	155	0.00936	-0.27935	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.03507	-0.30506	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.30744	4
WERE	'SOUTH SENECA 115KV'	15	-0.26999	WERE	'WACO 138KV'	17.93	0.0095	-0.27949	4
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	0.02068	-0.14484	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'PLAINVILLE 115KV'	5.25	0.01613	-0.14029	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'RUSSELL 115KV'	19.4	0.01217	-0.13633	8
WEPL	'GREENLEAF 115KV'	8.05	-0.12416	WEPL	'BELOIT 115KV'	5.250004	-0.01213	-0.11203	10
WEPL	'CLIFTON 115KV'	70	-0.08337	WEPL	'NORTH WEST GREAT BEND 115KV'	3.75	0.02068	-0.10405	11
WEPL	'CLIFTON 115KV'	70	-0.08337	WEPL	'PLAINVILLE 115KV'	5.25	0.01613	-0.0995	11
WEPL	'CLIFTON 115KV'	70	-0.08337	WEPL	'RUSSELL 115KV'	19.4	0.01217	-0.09554	12
WERE	'GETTY 69KV'	35	-0.00233	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.06457	17
WERE	'GETTY 69KV'	35	-0.00233	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05937	19
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05651	20
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05651	20
WERE	'CITY OF FREDONIA 69KV'	10.294	0.0052	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05704	20
WERE	'CITY OF FREDONIA 69KV'	10.294	0.0052	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.05515	20
WERE	'CITY OF GIRARD 69KV'	9.21	0.00635	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05589	20
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.0561	20
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00689	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05535	20
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00637	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05587	20
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.05462	21
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.05462	21
WERE	'CITY OF GIRARD 69KV'	9.21	0.00635	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.054	21
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.05421	21
WERE	'CITY OF MULVANE 69KV'	11.999	0.00831	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05393	21
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00936	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05288	21
WERE	'GILL ENERGY CENTER 69KV'	118	0.00914	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.0531	21
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00637	WERE	'TECUMSEH ENERGY CENTER 115KV'	111.2788	0.06035	-0.05398	21
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05131	22
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05131	22
WERE	'CITY OF FREDONIA 69KV'	10.294	0.0052	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05184	22
WERE	'CITY OF GIRARD 69KV'	9.21	0.00635	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05069	22
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.0509	22
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00689	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05015	22
WERE	'EVANS ENERGY CENTER 138KV'	313	0.0107	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.06224	-0.05154	22
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00637	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.05067	22
WERE	'CITY OF MULVANE 69KV'	11.999	0.00831	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.04873	23
WERE	'GILL ENERGY CENTER 69KV'	118	0.00914	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.0479	23
WERE	'EVANS ENERGY CENTER 138KV'	313	0.0107	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.04634	24
WERE	'GETTY 69KV'	35	-0.00233	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.04614	24
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00936	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.05704	-0.04768	24
WERE	'GETTY 69KV'	35	-0.00233	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.04073	28
WERE	'GETTY 69KV'	35	-0.00233	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03978	28
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03808	29
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03808	29
WERE	'CITY OF FREDONIA 69KV'	10.294	0.0052	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03861	29
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03767	30
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00689	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03692	30
WERE	'GETTY 69KV'	35	-0.00233	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.03507	-0.0374	30
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00637	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03744	30
WERE	'CITY OF MULVANE 69KV'	11.999	0.00831	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.0355	32
WERE	'GILL ENERGY CENTER 69KV'	118	0.00914	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03467	32
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.00936	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03445	33
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.03267	34
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.03267	34
WERE	'EVANS ENERGY CENTER 138KV'	313	0.0107	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.04381	-0.03311	34
WERE	'CHANUTE 69KV'	45.782	0.00573	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03172	35
WERE	'CITY OF ERIE 69KV'	26.53	0.00573	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03172	35
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.03226	35
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00637	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.03203	35
WERE	'CITY OF IOLA 69KV'	23.063	0.00614	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03131	36
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00689	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.0384	-0.03151	36
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00637	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03108	36
WERE	'CITY OF WINFIELD 69KV'	34.68	0.00689	WERE	'SMOKEY HILLS 34KV'	50	0.03745	-0.03056	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

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

Upgrade: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
Limiting Facility: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
Flowgate: KNOOBHIL414215477854788113075P
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	3.1	8.2
1032973	5.1	8.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.03679	OKGE	'FPLWND2 34KV'	102	0.12343	-0.16022	51
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.03679	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.14939	55
OKGE	'SOONER 138KV'	24.99997	-0.00627	OKGE	'FPLWND2 34KV'	102	0.12343	-0.1297	63
OKGE	'MUSKOGEE 161KV'	166	-0.00017	OKGE	'FPLWND2 34KV'	102	0.12343	-0.1236	66
OKGE	'MUSKOGEE 161KV'	31	-0.00017	OKGE	'FPLWND2 34KV'	102	0.12343	-0.1236	66
OKGE	'ONE OAK 345KV'	179	-0.00018	OKGE	'FPLWND2 34KV'	102	0.12343	-0.12361	66
OKGE	'REDBUD 345KV'	421.65	0.00028	OKGE	'FPLWND2 34KV'	102	0.12343	-0.12315	66
OKGE	'REDBUD 345KV'	900	0.00028	OKGE	'FPLWND2 34KV'	102	0.12343	-0.12315	66
OKGE	'HORSESHOE LAKE 138KV'	293.999	0.00116	OKGE	'FPLWND2 34KV'	102	0.12343	-0.12227	67
OKGE	'MCCLAIN 138KV'	42	0.00235	OKGE	'FPLWND2 34KV'	102	0.12343	-0.12108	67
OKGE	'TINKER 5G 138KV'	62	0.00151	OKGE	'FPLWND2 34KV'	102	0.12343	-0.12192	67
OKGE	'SOONER 138KV'	24.99997	-0.00627	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11887	69
OKGE	'MUSKOGEE 161KV'	31	-0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11277	72
OKGE	'MUSKOGEE 161KV'	166	-0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11277	72
OKGE	'ONE OAK 345KV'	179	-0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11278	72
OKGE	'HORSESHOE LAKE 138KV'	293.999	0.00116	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11144	73
OKGE	'REDBUD 345KV'	421.65	0.00028	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11232	73
OKGE	'REDBUD 345KV'	900	0.00028	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11232	73
OKGE	'MCCLAIN 138KV'	42	0.00235	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11025	74
OKGE	'TINKER 5G 138KV'	62	0.00151	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11109	74

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

Upgrade: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
Limiting Facility: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: GLASS MOUNTAIN - MOORELAND 138KV CKT 1
Flowgate: KNOOBHIL414215478855999113075P
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	3.3	8.8
1032973	5.5	8.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.03679	OKGE	'FPLWND2 34KV'	102	0.12343	-0.16022	55
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.03679	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.14939	59
OKGE	'SOONER 138KV'	24.99997	-0.00627	OKGE	'FPLWND2 34KV'	102	0.12343	-0.1297	68
OKGE	'MUSKOGEE 161KV'	31	-0.00017	OKGE	'FPLWND2 34KV'	102	0.12343	-0.1236	71
OKGE	'MUSKOGEE 161KV'	166	-0.00017	OKGE	'FPLWND2 34KV'	102	0.12343	-0.1236	71
OKGE	'ONE OAK 345KV'	179	-0.00018	OKGE	'FPLWND2 34KV'	102	0.12343	-0.12361	71
OKGE	'HORSESHOE LAKE 138KV'	293.999	0.00116	OKGE	'FPLWND2 34KV'	102	0.12343	-0.12227	72
OKGE	'REDBUD 345KV'	900	0.00028	OKGE	'FPLWND2 34KV'	102	0.12343	-0.12315	72
OKGE	'REDBUD 345KV'	421.65	0.00028	OKGE	'FPLWND2 34KV'	102	0.12343	-0.12315	72
OKGE	'TINKER 5G 138KV'	62	0.00151	OKGE	'FPLWND2 34KV'	102	0.12343	-0.12192	72
OKGE	'MCCLAIN 138KV'	42	0.00235	OKGE	'FPLWND2 34KV'	102	0.12343	-0.12108	73
OKGE	'SOONER 138KV'	24.99997	-0.00627	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11887	74
OKGE	'MUSKOGEE 161KV'	31	-0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11277	78
OKGE	'MUSKOGEE 161KV'	166	-0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11277	78
OKGE	'ONE OAK 345KV'	179	-0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11278	78
OKGE	'HORSESHOE LAKE 138KV'	293.999	0.00116	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11144	79
OKGE	'REDBUD 345KV'	421.65	0.00028	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11232	79
OKGE	'REDBUD 345KV'	900	0.00028	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11232	79
OKGE	'TINKER 5G 138KV'	62	0.00151	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11109	79
OKGE	'MCCLAIN 138KV'	42	0.00235	OKGE	'SLEEPING BEAR 34KV'	120	0.1126	-0.11025	80

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

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

Upgrade: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
Limiting Facility: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: OKGEMTL-5
Flowgate: KNOOBHIL41421OKGEMTL51207SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	0.5	1.4
1032973	0.9	1.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'FPLWND2 34KV'	102	0.09159	-0.13388	10
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.12417	11
OKGE	'HORSESHOE LAKE 138KV'	293.6641	0.00076	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09083	15
OKGE	'MUSKOGEE 161KV'	31	-0.00013	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09172	15
OKGE	'MUSKOGEE 161KV'	166	-0.00013	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09172	15
OKGE	'MUSKOGEE 345KV'	20	-0.00007	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09166	15
OKGE	'ONE OAK 345KV'	261	-0.00014	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09173	15
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09142	15
OKGE	'REDBUD 345KV'	900	0.00017	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09142	15
OKGE	'SEMINOLE 138KV'	18.22864	0.00099	OKGE	'FPLWND2 34KV'	102	0.09159	-0.0906	15
OKGE	'SOONER 138KV'	24.99997	-0.00436	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09595	15
OKGE	'TINKER 5G 138KV'	62	0.00099	OKGE	'FPLWND2 34KV'	102	0.09159	-0.0906	15
OKGE	'MCCLAIN 138KV'	42	0.00155	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09004	16
OKGE	'SOONER 138KV'	24.99997	-0.00436	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08624	16
OKGE	'HORSESHOE LAKE 138KV'	293.6641	0.00076	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08112	17
OKGE	'MCCLAIN 138KV'	42	0.00155	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08033	17
OKGE	'MUSKOGEE 161KV'	31	-0.00013	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08201	17
OKGE	'MUSKOGEE 161KV'	166	-0.00013	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08201	17
OKGE	'MUSKOGEE 345KV'	20	-0.00007	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08195	17
OKGE	'ONE OAK 345KV'	261	-0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08202	17
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08171	17
OKGE	'REDBUD 345KV'	900	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08171	17
OKGE	'SEMINOLE 138KV'	18.22864	0.00099	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08089	17
OKGE	'TINKER 5G 138KV'	62	0.00099	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08089	17
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'HORSESHOE LAKE 138KV'	380	0.00076	-0.04305	32
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'HORSESHOE LAKE 138KV'	86.83594	0.00076	-0.04305	32
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'HORSESHOE LAKE 138KV'	91	0.00076	-0.04305	32
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'HORSESHOE LAKE 69KV'	16	0.00079	-0.04308	32
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'MCCLAIN 138KV'	478	0.00155	-0.04384	32
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'MUSTANG 138KV'	365.5	0.00148	-0.04377	32
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'MUSTANG 69KV'	106	0.00169	-0.04398	32
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'SEMINOLE 138KV'	486.7714	0.00099	-0.04328	32
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'SEMINOLE 345KV'	996	0.00085	-0.04314	32
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'SMITH COGEN 138KV'	110	0.00144	-0.04373	32
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'AES 161KV'	320	-0.00002	-0.04227	33
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'MUSKOGEE 345KV'	1516	-0.00007	-0.04222	33
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'ONE OAK 345KV'	75	-0.00014	-0.04215	33
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'SOONER 345KV'	513	-0.0028	-0.03949	35
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'SOONER 138KV'	505	-0.00436	-0.03793	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: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
Limiting Facility: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: OKGEMTL-5
Flowgate: KNOOBHIL41421OKGEMTL51306SP
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	0.2	0.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00598	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.10163	2
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00598	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.09622	2
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00073	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09492	2
OKGE	'HORSESHOE LAKE 138KV'	337.7	0.00073	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09492	2
OKGE	'MCCLAIN 138KV'	42	0.00158	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09407	2
OKGE	'MUSKOGEE 161KV'	31	-0.00014	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09579	2
OKGE	'MUSKOGEE 161KV'	166	-0.00014	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09579	2
OKGE	'MUSTANG 138KV'	147.2756	0.00139	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09426	2
OMPA	'OMPA-FAIRVIEW 69KV'	1.8	-0.10568	OMPA	'OMPA-KINGFISHER BOWMAN 69KV'	19.7	0.00179	-0.10747	2
OMPA	'OMPA-FAIRVIEW 69KV'	1.8	-0.10568	OMPA	'OMPA-PONCA CITY 69KV'	93.59816	-0.00635	-0.09933	2
OKGE	'ONE OAK 345KV'	204	-0.00021	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09586	2
OKGE	'REDBUD 345KV'	421.65	0.00013	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09552	2
OKGE	'REDBUD 345KV'	460	0.00013	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09552	2
OKGE	'SEMINOLE 138KV'	17.56006	0.00096	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09469	2
OKGE	'SOONER 138KV'	24.99997	-0.00433	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09998	2
OKGE	'SOONER 138KV'	24.99997	-0.00433	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.09457	2
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.13756	2
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.13215	2
OKGE	'TINKER 5G 138KV'	62	0.00093	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09472	2
WFEC	'ANADARKO 138KV'	90	0.00539	WFEC	'MORLND 138KV'	260.8777	0.09573	-0.09034	3
WFEC	'ANADARKO 138KV'	2.705345	0.00539	WFEC	'MORLND 138KV'	260.8777	0.09573	-0.09034	3
WFEC	'ANADARKO 69KV'	76	0.00519	WFEC	'MORLND 138KV'	260.8777	0.09573	-0.09054	3
OKGE	'HORSESHOE LAKE 138KV'	337.7	0.00073	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.08951	3
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00073	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.08951	3
OKGE	'MCCLAIN 138KV'	42	0.00158	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.08866	3
OKGE	'MUSKOGEE 161KV'	31	-0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.09038	3
OKGE	'MUSKOGEE 161KV'	166	-0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.09038	3
OKGE	'MUSTANG 138KV'	147.2756	0.00139	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.08885	3
OKGE	'ONE OAK 345KV'	204	-0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.09045	3
OKGE	'REDBUD 345KV'	460	0.00013	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.09011	3
OKGE	'REDBUD 345KV'	421.65	0.00013	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.09011	3
OKGE	'SEMINOLE 138KV'	17.56006	0.00096	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.08928	3
OKGE	'TINKER 5G 138KV'	62	0.00093	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.08931	3
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'MCCLAIN 138KV'	478	0.00158	-0.04349	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'MUSKOGEE 345KV'	1516	-0.00006	-0.04185	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'MUSTANG 138KV'	218.2244	0.00139	-0.0433	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'MUSTANG 69KV'	106	0.00159	-0.0435	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'ONE OAK 345KV'	132	-0.00021	-0.0417	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'REDBUD 345KV'	440	0.00013	-0.04204	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'SEMINOLE 138KV'	487.44	0.00096	-0.04287	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'SEMINOLE 345KV'	996	0.00081	-0.04272	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'SMITH COGEN 138KV'	110	0.00134	-0.04325	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'SOONER 138KV'	505	-0.00433	-0.03758	6
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'SOONER 345KV'	513	-0.0028	-0.03911	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:	LACYGNE-PAOLA-WEST GARDER 345KV
Limiting Facility:	WEST GARDNER (WGARD 11) 345/161/13.8KV TRANSFORMER CKT 11
Direction:	From->To
Line Outage:	CRAIG - WEST GARDNER 345KV CKT 1
Flowgate:	WGAARD11275115797757965133O7SH
Date Redispatch Needed:	6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified:	2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1035259	1.6	1.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
KACP	'BULL CREEK 161KV'	308	-0.35434	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.48121	3
KACP	'GARDNER 161KV'	11	-0.29097	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.41784	4
KACP	'BULL CREEK 161KV'	308	-0.35434	KACP	'HAWTHORN 161KV'	455	-0.05554	-0.2988	5
KACP	'BULL CREEK 161KV'	308	-0.35434	KACP	'HAWTHORN 161KV'	84.63129	-0.05554	-0.2988	5
KACP	'BULL CREEK 161KV'	308	-0.35434	KACP	'MONTROSE 161KV'	356.2435	-0.03291	-0.32143	5
KACP	'BULL CREEK 161KV'	308	-0.35434	KACP	'IATAN 345KV'	396	-0.05881	-0.29553	6
KACP	'GARDNER 161KV'	11	-0.29097	KACP	'MONTROSE 161KV'	356.2435	-0.03291	-0.25806	6
KACP	'GARDNER 161KV'	11	-0.29097	KACP	'HAWTHORN 161KV'	455	-0.05554	-0.23543	7
KACP	'GARDNER 161KV'	11	-0.29097	KACP	'HAWTHORN 161KV'	84.63129	-0.05554	-0.23543	7
KACP	'GARDNER 161KV'	11	-0.29097	KACP	'IATAN 345KV'	396	-0.05881	-0.23216	7
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	-0.10102	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.22789	7
KACP	'GRAND AVENUE 161KV'	65	-0.06494	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.19181	9
KACP	'HAWTHORN 161KV'	298.3687	-0.05554	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.18241	9
KACP	'NORTHEAST 13KV'	56	-0.06341	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.19028	9
KACP	'NORTHEAST 13KV'	56	-0.06341	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.19028	9
KACP	'NORTHEAST 13KV'	58	-0.06341	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.19028	9
KACP	'NORTHEAST 13KV'	59	-0.06341	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.19028	9
KACP	'NORTHEAST 161KV'	55	-0.06341	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.19028	9
KACP	'NORTHEAST 161KV'	58	-0.06341	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.19028	9
KACP	'NORTHEAST 161KV'	58	-0.06341	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.19028	9
KACP	'NORTHEAST 161KV'	58	-0.06341	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.19028	9
KACP	'MONTROSE 161KV'	24.75648	-0.03291	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.15978	10
KACP	'CITY OF HIGGINSVILLE 69KV'	36	-0.02817	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.15504	11
KACP	'MARSHALL 161KV'	54.1	-0.02192	KACP	'LACYGNE UNIT 345KV'	958	0.12687	-0.14879	11
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.03718	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.0849	-0.12208	13
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.03718	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0849	-0.12208	13
WERE	'LAWRENCE ENERGY CENTER 230KV'	48.01093	-0.03125	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.0849	-0.11615	14
WERE	'LAWRENCE ENERGY CENTER 230KV'	48.01093	-0.03125	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0849	-0.11615	14
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.03718	WERE	'CITY OF AUGUSTA 69KV'	26.1	0.04443	-0.08161	20
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.03718	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.04045	-0.07763	21
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.03718	WERE	'CITY OF WINFIELD 69KV'	39.90401	0.03984	-0.07702	21
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.03718	WERE	'EVANS ENERGY CENTER 138KV'	305	0.04138	-0.07856	21
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.03718	WERE	'GILL ENERGY CENTER 138KV'	155	0.04226	-0.07944	21
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.03718	WERE	'WACO 138KV'	17.947	0.04217	-0.07935	21
WERE	'LAWRENCE ENERGY CENTER 230KV'	48.01093	-0.03125	WERE	'CITY OF AUGUSTA 69KV'	26.1	0.04443	-0.07568	22
WERE	'LAWRENCE ENERGY CENTER 230KV'	48.01093	-0.03125	WERE	'GILL ENERGY CENTER 138KV'	155	0.04226	-0.07351	22
WERE	'LAWRENCE ENERGY CENTER 230KV'	48.01093	-0.03125	WERE	'WACO 138KV'	17.947	0.04217	-0.07342	22
WERE	'LAWRENCE ENERGY CENTER 230KV'	48.01093	-0.03125	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.04045	-0.0717	23
WERE	'LAWRENCE ENERGY CENTER 230KV'	48.01093	-0.03125	WERE	'CITY OF WINFIELD 69KV'	39.90401	0.03984	-0.07109	23
WERE	'LAWRENCE ENERGY CENTER 230KV'	48.01093	-0.03125	WERE	'EVANS ENERGY CENTER 138KV'	305	0.04138	-0.07263	23
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	-0.10102	KACP	'MONTROSE 161KV'	356.2435	-0.03291	-0.06811	24
WERE	'SOUTH SENECA 115KV'	15	-0.02497	WERE	'GILL ENERGY CENTER 138KV'	155	0.04226	-0.06723	24
WERE	'SOUTH SENECA 115KV'	15	-0.02497	WERE	'WACO 138KV'	17.947	0.04217	-0.06714	24
WERE	'CITY OF IOLA 69KV'	17.763	0.01867	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.0849	-0.06623	25
WERE	'CITY OF IOLA 69KV'	17.763	0.01867	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0849	-0.06623	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.03718	WERE	'CHANUTE 69KV'	46.617	0.02733	-0.06451	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.03718	WERE	'CITY OF ERIE 69KV'	19.965	0.02733	-0.06451	25
WERE	'SOUTH SENECA 115KV'	15	-0.02497	WERE	'EVANS ENERGY CENTER 138KV'	305	0.04138	-0.06635	25
WERE	'LAWRENCE ENERGY CENTER 230KV'	48.01093	-0.03125	WERE	'CHANUTE 69KV'	46.617	0.02733	-0.05858	28
WERE	'LAWRENCE ENERGY CENTER 230KV'	48.01093	-0.03125	WERE	'CITY OF ERIE 69KV'	19.965	0.02733	-0.05858	28
WERE	'CHANUTE 69KV'	33.983	0.02733	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.0849	-0.05757	29
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.03718	WERE	'CITY OF IOLA 69KV'	19.865	0.01867	-0.05585	29
WERE	'LAWRENCE ENERGY CENTER 230KV'	48.01093	-0.03125	WERE	'CITY OF IOLA 69KV'	19.865	0.01867	-0.04992	33
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	-0.10102	KACP	'HAWTHORN 161KV'	455	-0.05554	-0.04548	36
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	-0.10102	KACP	'HAWTHORN 161KV'	84.63129	-0.05554	-0.04548	36
MIPU	'TWA 161KV'	32.1	-0.06341	MIPU	'SOUTH HARPER 161KV'	75.67749	-0.01724	-0.04617	36
SWPA	'TRUMAN 161KV'	83.2641	-0.01859	SWPA	'KEYSTONE DAM 161KV'	56.56253	0.02617	-0.04476	37
WERE	'EVANS ENERGY CENTER 138KV'	438	0.04138	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0849	-0.04352	38
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.04226	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0849	-0.04264	38
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.04202	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0849	-0.04288	38
WERE	'GETTY 69KV'	35	0.04317	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0849	-0.04173	39
WERE	'GILL ENERGY CENTER 69KV'	118	0.04272	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.0849	-0.04218	39
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	-0.10102	KACP	'IATAN 345KV'	396	-0.05881	-0.04221	39
SWPA	'TRUMAN 161KV'	83.2641	-0.01859	SWPA	'FORT GIBSON 161KV'	40.37325	0.02217	-0.04076	40
SWPA	'TRUMAN 161KV'	83.2641	-0.01859	SWPA	'DENISON 138KV'	56.56253	0.02132	-0.03991	41
SWPA	'TRUMAN 161KV'	83.2641	-0.01859	SWPA	'TENKILLER FERRY 161KV'	15.98941	0.02038	-0.03897	42
SWPA	'TRUMAN 161KV'	83.2641	-0.01859	SWPA	'WEBBERS FALLS 161KV'	37.17537	0.02038	-0.03897	42
SWPA	'TRUMAN 161KV'	83.2641	-0.01859	SWPA	'EUFAULA 138KV'	48.36796	0.01993	-0.03852	43
SWPA	'TRUMAN 161KV'	83.2641	-0.01859	SWPA	'EUFAULA 161KV'	24.18398	0.01992	-0.03851	43
SWPA	'TRUMAN 161KV'	83.2641	-0.01859	SWPA	'ROBERT S. KERR 161KV'	101.9325	0.01701	-0.0356	46
EMDE	'LARUSSEL 161KV'	220.2491	0.01693	EMDE	'ELK RIVER 345KV'	46	0.05083	-0.0339	48
SWPA	'TRUMAN 161KV'	83.2641	-0.01859	SWPA	'OZARK 161KV'	74.35075	0.01424	-0.03283	50
EMDE	'ASBURY 161KV'	20	0.01885	EMDE	'ELK RIVER 345KV'	46	0.05083	-0.03198	51
KACP	'GRAND AVENUE 161KV'	65	-0.06494	KACP	'MONTROSE 161KV'	356.2435	-0.03291	-0.03203	51
MIPU	'LAKE ROAD 161KV'	91	-0.0494	MIPU	'SOUTH HARPER 161KV'	75.67749	-0.01724	-0.03216	51
KACP	'NORTHEAST 13KV'	56	-0.06341	KACP	'MONTROSE 161KV'	356.2435	-0.03291	-0.0305	54
KACP	'NORTHEAST 13KV'	59	-0.06341	KACP	'MONTROSE 161KV'	356.2435	-0.03291	-0.0305	54
KACP	'NORTHEAST 13KV'	56	-0.06341	KACP	'MONTROSE 161KV'	356.2435	-0.03291	-0.0305	54
KACP	'NORTHEAST 13KV'	58	-0.06341	KACP	'MONTROSE 161KV'	356.2435	-0.03291	-0.0305	54
KACP	'NORTHEAST 161KV'	58	-0.06341	KACP	'MONTROSE 161KV'	356.2435	-0.03291	-0.0305	54
KACP	'NORTHEAST 161KV'	58	-0.06341	KACP	'MONTROSE 161KV'	356.2435	-0.03291	-0.0305	54
KACP	'NORTHEAST 161KV'	58	-0.06341	KACP	'MONTROSE 161KV'	356.2435	-0.03291	-0.0305	54
KACP	'NORTHEAST 161KV'	55	-0.06341	KACP	'MONTROSE 161KV'	356.2435	-0.03291	-0.0305	54

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

Table 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: HARTS ISLAND - SOUTH SHREVEPORT 138KV CKT 1
Flowgate: 534225342815341453446111407SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1023236	2.8	2.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'COGENTRIX 345KV'	200	-0.00424	-0.35647	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'COMANCHE 138KV'	160	-0.00564	-0.35507	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'COMANCHE 69KV'	63	-0.00565	-0.35506	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'EASTMAN 138KV'	355	-0.0133	-0.34741	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'FITZHUGH 161KV'	126	-0.00244	-0.35827	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'KNOXLEE 138KV'	284	-0.00944	-0.35127	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'LEBROCK 345KV'	365	-0.01842	-0.34229	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.00392	-0.35679	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00392	-0.35679	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00391	-0.3568	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'OEC 345KV'	269	-0.00412	-0.35659	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'PIRKEY GENERATION 138KV'	248	-0.02473	-0.33598	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'RIVERSIDE STATION 138KV'	675	-0.00425	-0.35646	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'SOUTHWESTERN STATION 138KV'	355	-0.00558	-0.35513	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'TULSA POWER STATION 138KV'	112	-0.00421	-0.3565	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'TULSA POWER STATION 138KV'	147	-0.00421	-0.3565	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'WEATHERFORD 34KV'	148	-0.00529	-0.35542	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'WELEETKA 138KV'	70	-0.00513	-0.35558	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'WELSH 345KV'	990	-0.01281	-0.3479	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'WILKES 138KV'	393.9893	-0.02873	-0.33198	8
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'WILKES 345KV'	311	-0.01663	-0.34408	8
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'FITZHUGH 161KV'	126	-0.00244	-0.2095	13
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.00392	-0.20802	13
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00392	-0.20802	13
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00391	-0.20803	13
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'OEC 345KV'	269	-0.00412	-0.20782	13
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'TULSA POWER STATION 138KV'	112	-0.00421	-0.20773	13
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'TULSA POWER STATION 138KV'	147	-0.00421	-0.20773	13
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'COGENTRIX 345KV'	200	-0.00424	-0.2077	14
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'COMANCHE 138KV'	160	-0.00564	-0.2063	14
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'COMANCHE 69KV'	63	-0.00565	-0.20629	14
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'EASTMAN 138KV'	355	-0.0133	-0.19864	14
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'KNOXLEE 138KV'	284	-0.00944	-0.2025	14
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'LEBROCK 345KV'	365	-0.01842	-0.19352	14
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'RIVERSIDE STATION 138KV'	675	-0.00425	-0.20769	14
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'SOUTHWESTERN STATION 138KV'	355	-0.00558	-0.20636	14
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'WELEETKA 138KV'	70	-0.00513	-0.20681	14
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'WELSH 345KV'	990	-0.01281	-0.19913	14
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'WILKES 345KV'	311	-0.01663	-0.19531	14
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'PIRKEY GENERATION 138KV'	248	-0.02473	-0.18721	15
AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'WILKES 138KV'	393.9893	-0.02873	-0.18321	15
AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'LIEBERMAN 138KV'	91	-0.21194	-0.14877	19

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

Upgrade: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Limiting Facility: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Direction: To->From
Line Outage: REDEL - STILWELL 161KV CKT 1
Flowgate: 592105925915805357969113075P
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1035259	0.2	0.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.02927	MIPU	'SOUTH HARPER 161KV'	313.0953	0.328	-0.35727	1
MIPU	'GREENWOOD 161KV'	255.8	-0.03697	MIPU	'SOUTH HARPER 161KV'	313.0953	0.328	-0.36497	1
MIPU	'NEVADA 69KV'	20.3	-0.00722	MIPU	'SOUTH HARPER 161KV'	313.0953	0.328	-0.33522	1
MIPU	'RALPH GREEN 69KV'	73.7	0.06077	MIPU	'SOUTH HARPER 161KV'	313.0953	0.328	-0.26723	1
KACP	'GARDNER 161KV'	11	-0.01574	KACP	'LACYGNE UNIT 345KV'	958	0.01876	-0.0345	6
KACP	'MONTROSE 161KV'	24.32433	-0.01883	KACP	'LACYGNE UNIT 345KV'	958	0.01876	-0.03759	6

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

Upgrade: 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: 592105925915919859200113065P
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1035259	4.3	4.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.04525	MIPU	'SOUTH HARPER 161KV'	315	0.398	-0.44325	10
MIPU	'GREENWOOD 161KV'	229.7398	-0.04826	MIPU	'SOUTH HARPER 161KV'	315	0.398	-0.44626	10
MIPU	'NEVADA 69KV'	20.3	-0.01063	MIPU	'SOUTH HARPER 161KV'	315	0.398	-0.40863	11
MIPU	'RALPH GREEN 69KV'	73.7	0.0736	MIPU	'SOUTH HARPER 161KV'	315	0.398	-0.3244	13
KACP	'MONTROSE 161KV'	25.44292	-0.02091	KACP	'LACYGNE UNIT 345KV'	962	0.04182	-0.06273	69
KACP	'MARSHALL 161KV'	39.1	-0.01626	KACP	'LACYGNE UNIT 345KV'	962	0.04182	-0.05808	74
KACP	'PAOLA COMBUSTION TURBINES 161KV'	46.99292	0.00167	KACP	'LACYGNE UNIT 345KV'	962	0.04182	-0.04015	108
MIPU	'GREENWOOD 161KV'	229.7398	-0.04826	MIPU	'LAKE ROAD 34KV'	92	-0.01604	-0.03222	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

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

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: 592105925915919859200113O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1035259	4.3	4.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.04493	MIPU	'SOUTH HARPER 161KV'	313.0953	0.39813	-0.44306	10
MIPU	'GREENWOOD 161KV'	255.8	-0.04793	MIPU	'SOUTH HARPER 161KV'	313.0953	0.39813	-0.44606	10
MIPU	'NEVADA 69KV'	20.3	-0.0105	MIPU	'SOUTH HARPER 161KV'	313.0953	0.39813	-0.40863	11
MIPU	'RALPH GREEN 69KV'	73.7	0.07387	MIPU	'SOUTH HARPER 161KV'	313.0953	0.39813	-0.32426	13
KACP	'MONTROSE 161KV'	24.32433	-0.02065	KACP	'LACYGNE UNIT 345KV'	958	0.04183	-0.06248	69
KACP	'MARSHALL 161KV'	39.1	-0.0156	KACP	'LACYGNE UNIT 345KV'	958	0.04183	-0.05743	75
KACP	'PAOLA COMBUSTION TURBINES 161KV'	42.3728	0.00172	KACP	'LACYGNE UNIT 345KV'	958	0.04183	-0.04011	107
MIPU	'GREENWOOD 161KV'	255.8	-0.04793	MIPU	'LAKE ROAD 34KV'	92	-0.01569	-0.03224	133

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

Upgrade: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Limiting Facility: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Direction: To->From
Line Outage: GRD OAK - PLEASANT HILL 345KV CKT 1
Flowgate: 592105925915919859200113O8SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1035259	4.2	4.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.04477	MIPU	'SOUTH HARPER 161KV'	309.8867	0.3984	-0.44317	10
MIPU	'GREENWOOD 161KV'	255.8	-0.04779	MIPU	'SOUTH HARPER 161KV'	309.8867	0.3984	-0.44619	10
MIPU	'LAKE ROAD 161KV'	91	-0.01632	MIPU	'SOUTH HARPER 161KV'	309.8867	0.3984	-0.41472	10
MIPU	'NEVADA 69KV'	20.3	-0.01016	MIPU	'SOUTH HARPER 161KV'	309.8867	0.3984	-0.40856	10
MIPU	'SIBLEY 161KV'	19.12985	-0.03344	MIPU	'SOUTH HARPER 161KV'	309.8867	0.3984	-0.43184	10
MIPU	'TWA 161KV'	32.1	-0.02447	MIPU	'SOUTH HARPER 161KV'	309.8867	0.3984	-0.42287	10
MIPU	'RALPH GREEN 69KV'	73.7	0.07409	MIPU	'SOUTH HARPER 161KV'	309.8867	0.3984	-0.32431	13
KACP	'NORTHEAST 13KV'	56	-0.02913	KACP	'LACYGNE UNIT 345KV'	958	0.04106	-0.07019	60
KACP	'NORTHEAST 13KV'	56	-0.02913	KACP	'LACYGNE UNIT 345KV'	958	0.04106	-0.07019	60
KACP	'NORTHEAST 13KV'	59	-0.02913	KACP	'LACYGNE UNIT 345KV'	958	0.04106	-0.07019	60
KACP	'NORTHEAST 13KV'	58	-0.02913	KACP	'LACYGNE UNIT 345KV'	958	0.04106	-0.07019	60
KACP	'NORTHEAST 161KV'	55	-0.02913	KACP	'LACYGNE UNIT 345KV'	958	0.04106	-0.07019	60
KACP	'NORTHEAST 161KV'	58	-0.02913	KACP	'LACYGNE UNIT 345KV'	958	0.04106	-0.07019	60
KACP	'NORTHEAST 161KV'	58	-0.02913	KACP	'LACYGNE UNIT 345KV'	958	0.04106	-0.07019	60
KACP	'NORTHEAST 161KV'	58	-0.02913	KACP	'LACYGNE UNIT 345KV'	958	0.04106	-0.07019	60
KACP	'GRAND AVENUE 161KV'	65	-0.02879	KACP	'LACYGNE UNIT 345KV'	958	0.04106	-0.06985	61
KACP	'MONTROSE 161KV'	24.29465	-0.02035	KACP	'LACYGNE UNIT 345KV'	958	0.04106	-0.06141	69
KACP	'MARSHALL 161KV'	39.1	-0.01562	KACP	'LACYGNE UNIT 345KV'	958	0.04106	-0.05668	75
MIPU	'GREENWOOD 161KV'	255.8	-0.04779	MIPU	'LAKE ROAD 34KV'	92	-0.01632	-0.03147	135

Maximum Decrement and Maximum Increment were determine from the Souce 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: 587735879715877958795131O7FA
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
1035259	0.9	0.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.03216	WEPL	'GRAY COUNTY WIND FARM 115KV'	100	0.22699	-0.25915	4
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.03216	WEPL	'JUDSON LARGE 115KV'	58.27701	0.22858	-0.26074	4
WEPL	'BELOIT 115KV'	4.4	-0.01349	WEPL	'GRAY COUNTY WIND FARM 115KV'	100	0.22699	-0.24048	4
WEPL	'BELOIT 115KV'	4.4	-0.01349	WEPL	'JUDSON LARGE 115KV'	58.27701	0.22858	-0.24207	4
WEPL	'CLIFTON 115KV'	70	-0.01001	WEPL	'GRAY COUNTY WIND FARM 115KV'	100	0.22699	-0.237	4
WEPL	'CLIFTON 115KV'	70	-0.01001	WEPL	'JUDSON LARGE 115KV'	58.27701	0.22858	-0.23859	4
WEPL	'GREENLEAF 115KV'	8.05	-0.00877	WEPL	'GRAY COUNTY WIND FARM 115KV'	100	0.22699	-0.23576	4
WEPL	'GREENLEAF 115KV'	8.05	-0.00877	WEPL	'JUDSON LARGE 115KV'	58.27701	0.22858	-0.23735	4
WEPL	'NORTH WEST GREAT BEND 115KV'	9.089996	-0.03216	WEPL	'GRAY COUNTY WIND FARM 115KV'	100	0.22699	-0.25915	4
WEPL	'NORTH WEST GREAT BEND 115KV'	9.089996	-0.03216	WEPL	'JUDSON LARGE 115KV'	58.27701	0.22858	-0.26074	4
WEPL	'RUSSELL 115KV'	8.5	-0.02633	WEPL	'GRAY COUNTY WIND FARM 115KV'	100	0.22699	-0.25332	4
WEPL	'RUSSELL 115KV'	8.5	-0.02633	WEPL	'JUDSON LARGE 115KV'	58.27701	0.22858	-0.25491	4
WEPL	'SMITH CENTER 115KV'	5.35	-0.01645	WEPL	'GRAY COUNTY WIND FARM 115KV'	100	0.22699	-0.24344	4
WEPL	'SMITH CENTER 115KV'	5.35	-0.01645	WEPL	'JUDSON LARGE 115KV'	58.27701	0.22858	-0.24503	4
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.03216	WEPL	'SPEARVILLE WIND 34KV'	101	0.12085	-0.15301	6
WEPL	'NORTH WEST GREAT BEND 115KV'	9.089996	-0.03216	WEPL	'SPEARVILLE WIND 34KV'	101	0.12085	-0.15301	6
WEPL	'RUSSELL 115KV'	8.5	-0.02633	WEPL	'SPEARVILLE WIND 34KV'	101	0.12085	-0.14718	6
WEPL	'BELOIT 115KV'	4.4	-0.01349	WEPL	'SPEARVILLE WIND 34KV'	101	0.12085	-0.13434	7
WEPL	'CLIFTON 115KV'	70	-0.01001	WEPL	'SPEARVILLE WIND 34KV'	101	0.12085	-0.13086	7
WEPL	'GREENLEAF 115KV'	8.05	-0.00877	WEPL	'SPEARVILLE WIND 34KV'	101	0.12085	-0.12962	7
MIDW	'PAWNEE 115KV'	999	-0.09265	MIDW	'COLBY 115KV'	7.287761	0.04466	-0.13731	7
MIDW	'RICE 115KV'	999	-0.09265	MIDW	'COLBY 115KV'	7.287761	0.04466	-0.13731	7
WEPL	'SMITH CENTER 115KV'	5.35	-0.01645	WEPL	'SPEARVILLE WIND 34KV'	101	0.12085	-0.1373	7
WEPL	'CIMARRON RIVER 115KV'	72	0.12054	WEPL	'GRAY COUNTY WIND FARM 115KV'	100	0.22699	-0.10645	9
WEPL	'CIMARRON RIVER 115KV'	72	0.12054	WEPL	'JUDSON LARGE 115KV'	58.27701	0.22858	-0.10804	9
MIDW	'GREAT BEND PLANT 69KV'	10	-0.03949	MIDW	'COLBY 115KV'	7.287761	0.04466	-0.08415	11
SUNC	'CITY OF HILL CITY 115KV'	6.1	0.0136	SUNC	'HOLCOMB 115KV'	266.1951	0.08459	-0.07099	13
SUNC	'CITY OF NORTON 115KV'	10.56	0.01849	SUNC	'HOLCOMB 115KV'	266.1951	0.08459	-0.0661	14
MIDW	'LYONS 115KV'	999	-0.00249	MIDW	'COLBY 115KV'	7.287761	0.04466	-0.04715	19
SUNC	'CITY OF GOODLAND 115KV'	13.9	0.05417	SUNC	'HOLCOMB 115KV'	266.1951	0.08459	-0.03042	30

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

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

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
1035259	5.1	5.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.0322	WEPL	'SPEARVILLE WIND 34KV'	101	0.12082	-0.15302	33
WEPL	'RUSSELL 115KV'	27.9	-0.02636	WEPL	'SPEARVILLE WIND 34KV'	101	0.12082	-0.14718	34
WEPL	'CLIFTON 115KV'	49.6965	-0.01006	WEPL	'SPEARVILLE WIND 34KV'	101	0.12082	-0.13088	39
WEPL	'CIMARRON RIVER 115KV'	72	0.12054	WEPL	'JUDSON LARGE 115KV'	117.7154	0.22856	-0.10802	47
WEPL	'CIMARRON RIVER 115KV'	72	0.12054	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22696	-0.10642	48

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

Upgrade: 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: 587735879715877958795131O7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1035259	0.1	0.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WEPL	'BELOIT 115KV'	9.25	-0.01353	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22704	-0.24057	1
WEPL	'BELOIT 115KV'	9.25	-0.01353	WEPL	'JUDSON LARGE 115KV'	115.8129	0.22864	-0.24217	1
WEPL	'BELOIT 115KV'	9.25	-0.01353	WEPL	'SPEARVILLE WIND 34KV'	101	0.12087	-0.1344	1
WEPL	'CIMARRON RIVER 115KV'	38.75674	0.12073	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22704	-0.10631	1
WEPL	'CIMARRON RIVER 115KV'	38.75674	0.12073	WEPL	'JUDSON LARGE 115KV'	115.8129	0.22864	-0.10791	1
SUNC	'CITY OF HILL CITY 115KV'	3.1	0.01358	SUNC	'CITY OF HUGOTON 69KV'	6.2	0.10816	-0.09458	1
SUNC	'CITY OF HILL CITY 115KV'	3.1	0.01358	SUNC	'CITY OF LAKIN 115KV'	2.5	0.08683	-0.07325	1
SUNC	'CITY OF HILL CITY 115KV'	3.1	0.01358	SUNC	'GARDEN CITY 115KV'	56.43723	0.08273	-0.06915	1
SUNC	'CITY OF HILL CITY 115KV'	3.1	0.01358	SUNC	'HOLCOMB 115KV'	268.0633	0.08461	-0.07103	1
SUNC	'CITY OF HILL CITY 115KV'	3.1	0.01358	SUNC	'JOHNSON 69KV'	2.9	0.09058	-0.077	1
SUNC	'CITY OF NORTON 115KV'	10.56	0.01847	SUNC	'CITY OF HUGOTON 69KV'	6.2	0.10816	-0.08969	1
SUNC	'CITY OF NORTON 115KV'	10.56	0.01847	SUNC	'CITY OF LAKIN 115KV'	2.5	0.08683	-0.06836	1
SUNC	'CITY OF NORTON 115KV'	10.56	0.01847	SUNC	'HOLCOMB 115KV'	268.0633	0.08461	-0.06614	1
SUNC	'CITY OF NORTON 115KV'	10.56	0.01847	SUNC	'JOHNSON 69KV'	2.9	0.09058	-0.07211	1
MIDW	'GREAT BEND PLANT 69KV'	10	-0.03952	MIDW	'COLBY 115KV'	4.918111	0.04464	-0.08416	1
WEPL	'GREENLEAF 115KV'	10.15	-0.00881	WEPL	'CIMARRON RIVER 115KV'	8.243259	0.12073	-0.12954	1
WEPL	'GREENLEAF 115KV'	10.15	-0.00881	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22704	-0.23585	1
WEPL	'GREENLEAF 115KV'	10.15	-0.00881	WEPL	'JUDSON LARGE 115KV'	115.8129	0.22864	-0.23745	1
WEPL	'GREENLEAF 115KV'	10.15	-0.00881	WEPL	'SPEARVILLE WIND 34KV'	101	0.12087	-0.12968	1
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.03218	WEPL	'CIMARRON RIVER 115KV'	8.243259	0.12073	-0.15291	1
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.03218	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22704	-0.25922	1
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.03218	WEPL	'JUDSON LARGE 115KV'	115.8129	0.22864	-0.26082	1
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.03218	WEPL	'SPEARVILLE WIND 34KV'	101	0.12087	-0.15305	1
SUNC	'OBERLIN 115KV'	4.31	0.02501	SUNC	'CITY OF HUGOTON 69KV'	6.2	0.10816	-0.08315	1
SUNC	'OBERLIN 115KV'	4.31	0.02501	SUNC	'JOHNSON 69KV'	2.9	0.09058	-0.06557	1
MIDW	'PAWNEE 115KV'	999	-0.09266	MIDW	'COLBY 115KV'	4.918111	0.04464	-0.1373	1
WEPL	'PLAINVILLE 115KV'	5.25	-0.01571	WEPL	'CIMARRON RIVER 115KV'	8.243259	0.12073	-0.13644	1
WEPL	'PLAINVILLE 115KV'	5.25	-0.01571	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22704	-0.24275	1
WEPL	'PLAINVILLE 115KV'	5.25	-0.01571	WEPL	'JUDSON LARGE 115KV'	115.8129	0.22864	-0.24435	1
WEPL	'PLAINVILLE 115KV'	5.25	-0.01571	WEPL	'SPEARVILLE WIND 34KV'	101	0.12087	-0.13658	1
MIDW	'RICE 115KV'	999	-0.09266	MIDW	'COLBY 115KV'	4.918111	0.04464	-0.1373	1
WEPL	'RUSSELL 115KV'	27.9	-0.02635	WEPL	'CIMARRON RIVER 115KV'	8.243259	0.12073	-0.14708	1
WEPL	'RUSSELL 115KV'	27.9	-0.02635	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22704	-0.25339	1
WEPL	'RUSSELL 115KV'	27.9	-0.02635	WEPL	'JUDSON LARGE 115KV'	115.8129	0.22864	-0.25499	1
WEPL	'RUSSELL 115KV'	27.9	-0.02635	WEPL	'SPEARVILLE WIND 34KV'	101	0.12087	-0.14722	1
WEPL	'SMITH CENTER 115KV'	5.35	-0.01648	WEPL	'CIMARRON RIVER 115KV'	8.243259	0.12073	-0.13721	1
WEPL	'SMITH CENTER 115KV'	5.35	-0.01648	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.22704	-0.24352	1
WEPL	'SMITH CENTER 115KV'	5.35	-0.01648	WEPL	'JUDSON LARGE 115KV'	115.8129	0.22864	-0.24512	1
WEPL	'SMITH CENTER 115KV'	5.35	-0.01648	WEPL	'SPEARVILLE WIND 34KV'	101	0.12087	-0.13735	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.01484	-0.07782	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'BPU - CITY OF MCPHERSON 115KV'	155.7451	-0.02267	-0.06999	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'CITY OF AUGUSTA 69KV'	26.1	-0.01379	-0.07887	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.01603	-0.07663	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'CITY OF WINFIELD 69KV'	40	-0.01184	-0.08082	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.01577	-0.07689	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'GILL ENERGY CENTER 138KV'	171	-0.0251	-0.06756	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'GILL ENERGY CENTER 69KV'	75	-0.02234	-0.07032	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'HOLTON 115KV'	6	-0.00601	-0.08665	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	-0.02831	-0.06435	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'JEFFREY ENERGY CENTER 230KV'	486	-0.00951	-0.08315	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'JEFFREY ENERGY CENTER 345KV'	924	-0.00942	-0.08324	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'SOUTH SENECA 115KV'	13.9	-0.00439	-0.08827	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00842	-0.08424	1
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'WACO 138KV'	17.96	-0.02415	-0.06851	1
SUNC	'CITY OF HILL CITY 115KV'	3.1	0.01358	SUNC	'CITY OF GOODLAND 115KV'	6.8	0.05416	-0.04058	2
SUNC	'CITY OF NORTON 115KV'	10.56	0.01847	SUNC	'GARDEN CITY 115KV'	56.43723	0.08273	-0.06426	2
SUNC	'CITY OF ST.FRANCIS 115KV'	4.3	0.05055	SUNC	'JOHNSON 69KV'	2.9	0.09058	-0.04003	2
MIDW	'LYONS 115KV'	999	-0.00251	MIDW	'COLBY 115KV'	4.918111	0.04464	-0.04715	2
SUNC	'OBERLIN 115KV'	4.31	0.02501	SUNC	'CITY OF LAKIN 115KV'	2.5	0.08683	-0.06182	2
SUNC	'OBERLIN 115KV'	4.31	0.02501	SUNC	'GARDEN CITY 115KV'	56.43723	0.08273	-0.05772	2
SUNC	'OBERLIN 115KV'	4.31	0.02501	SUNC	'HOLCOMB 115KV'	268.0633	0.08461	-0.0596	2
WERE	'ST JOHN 115KV'	2.9	-0.09266	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.02838	-0.06428	2
SUNC	'CITY OF GOODLAND 115KV'	7.1	0.05416	SUNC	'CITY OF LAKIN 115KV'	2.5	0.08683	-0.03267	3
SUNC	'CITY OF GOODLAND 115KV'	7.1	0.05416	SUNC	'HOLCOMB 115KV'	268.0633	0.08461	-0.03045	3
SUNC	'CITY OF GOODLAND 115KV'	7.1	0.05416	SUNC	'JOHNSON 69KV'	2.9	0.09058	-0.03642	3
SUNC	'CITY OF NORTON 115KV'	10.56	0.01847	SUNC	'CITY OF GOODLAND 115KV'	6.8	0.05416	-0.03569	3
SUNC	'CITY OF ST.FRANCIS 115KV'	4.3	0.05055	SUNC	'CITY OF LAKIN 115KV'	2.5	0.08683	-0.03628	3
SUNC	'CITY OF ST.FRANCIS 115KV'	4.3	0.05055	SUNC	'GARDEN CITY 115KV'	56.43723	0.08273	-0.03218	3
SUNC	'CITY OF ST.FRANCIS 115KV'	4.3	0.05055	SUNC	'HOLCOMB 115KV'	268.0633	0.08461	-0.03406	3

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

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

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

Reservation	Relief Amount	Aggregate Relief Amount
1035259	4.0	4.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.31955	12
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.25221	16
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.21559	18
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.22465	18
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07077	-0.22542	18
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'HUTCHINSON ENERGY CENTER 115KV'	57.01367	0.04944	-0.20409	19
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'SMOKEY HILLS 34KV'	50	0.05191	-0.20656	19
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'EVANS ENERGY CENTER 138KV'	305	0.01425	-0.1689	23
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'GILL ENERGY CENTER 138KV'	155	0.01366	-0.16831	23
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'WACO 138KV'	17.946	0.01372	-0.16837	23
WERE	'CITY OF GIRARD 69KV'	8.909	0.00175	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.16315	24
WERE	'CITY OF IOLA 69KV'	13.372	0.00198	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.16292	24
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.01176	-0.16641	24
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00289	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.16201	24
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00409	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.16081	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'CHANUTE 69KV'	56.296	0.00292	-0.15757	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00526	-0.15991	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'CITY OF IOLA 69KV'	24.256	0.00198	-0.15663	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00526	-0.15991	25
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.15731	25
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07077	-0.15808	25
WERE	'CITY OF MULVANE 69KV'	10.899	0.01258	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.15232	26
WERE	'CITY OF WINFIELD 69KV'	33.672	0.0108	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.1541	26
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01425	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.15065	26
WERE	'GETTY 69KV'	35	0.01237	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.15253	26
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.01366	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.15124	26
WERE	'GILL ENERGY CENTER 69KV'	118	0.01339	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.15151	26
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.14825	27
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'SMOKEY HILLS 34KV'	50	0.05191	-0.13922	28
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'HUTCHINSON ENERGY CENTER 115KV'	57.01367	0.04944	-0.13675	29
WERE	'SOUTH SENECA 115KV'	15	0.04224	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.12266	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	325.9863	0.04944	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.11546	34
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.04943	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.11547	34
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	0.05231	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.11259	35
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.06379	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.10111	39
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'EVANS ENERGY CENTER 138KV'	305	0.01425	-0.10156	39
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'GILL ENERGY CENTER 138KV'	155	0.01366	-0.10097	39
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'WACO 138KV'	17.946	0.01372	-0.10103	39
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.01176	-0.09907	40
WERE	'JEFFREY ENERGY CENTER 345KV'	58	0.07077	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.09413	42
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00526	-0.09257	43
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'CITY OF IOLA 69KV'	24.256	0.00198	-0.08929	44
WERE	'HOLTON 115KV'	19.8	0.07627	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.08863	45
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00289	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07077	-0.06788	58
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'LAWRENCE ENERGY CENTER 230KV'	224.7774	-0.08731	-0.06734	59
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00289	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.06711	59
WERE	'CITY OF WINFIELD 69KV'	33.672	0.0108	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07077	-0.05997	66
WERE	'CITY OF WINFIELD 69KV'	33.672	0.0108	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.0592	67
WERE	'GETTY 69KV'	35	0.01237	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07077	-0.0584	68
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00289	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.05805	68
WERE	'GETTY 69KV'	35	0.01237	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.05763	69
WERE	'GILL ENERGY CENTER 69KV'	118	0.01339	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07077	-0.05738	69
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01425	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07077	-0.05652	70
WERE	'GILL ENERGY CENTER 69KV'	118	0.01339	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.05661	70
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01425	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.05575	71
WERE	'CITY OF WINFIELD 69KV'	33.672	0.0108	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.05014	79
WERE	'GETTY 69KV'	35	0.01237	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.04857	81
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00289	WERE	'SMOKEY HILLS 34KV'	50	0.05191	-0.04902	81
WERE	'GILL ENERGY CENTER 69KV'	118	0.01339	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.04755	83
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01425	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.04669	85
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00289	WERE	'HUTCHINSON ENERGY CENTER 115KV'	57.01367	0.04944	-0.04655	85
WERE	'CITY OF WINFIELD 69KV'	33.672	0.0108	WERE	'SMOKEY HILLS 34KV'	50	0.05191	-0.04111	96
WERE	'GETTY 69KV'	35	0.01237	WERE	'SMOKEY HILLS 34KV'	50	0.05191	-0.03954	100
WERE	'GILL ENERGY CENTER 69KV'	118	0.01339	WERE	'SMOKEY HILLS 34KV'	50	0.05191	-0.03852	103
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01425	WERE	'SMOKEY HILLS 34KV'	50	0.05191	-0.03766	105
WERE	'GILL ENERGY CENTER 69KV'	118	0.01339	WERE	'HUTCHINSON ENERGY CENTER 115KV'	57.01367	0.04944	-0.03605	110
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01425	WERE	'HUTCHINSON ENERGY CENTER 115KV'	57.01367	0.04944	-0.03519	112

Maximum Decrement and Maximum Increment were determine from the 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: MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1
Limiting Facility: MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1
Direction: To->From
Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
Flowgate: 57253572701567655677211107WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1035259	3.9	3.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CHANUTE 69KV'	45.782	0.00285	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.16484	-0.16199	24
WERE	'CITY OF ERIE 69KV'	26.53	0.00285	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.16484	-0.16199	24
WERE	'CITY OF GIRARD 69KV'	9.21	0.00168	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.16484	-0.16316	24
WERE	'CITY OF IOLA 69KV'	23.063	0.00191	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.16484	-0.16293	24
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00282	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.16484	-0.16202	24
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00402	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.16484	-0.16082	25
WERE	'SOUTH SENECA 115KV'	15	0.04218	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.16484	-0.12266	32
WERE	'CITY OF IOLA 69KV'	23.063	0.00191	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07071	-0.0688	57
WERE	'CITY OF ERIE 69KV'	26.53	0.00285	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07071	-0.06786	58
WERE	'CITY OF IOLA 69KV'	23.063	0.00191	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.06994	-0.06803	58
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00282	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07071	-0.06789	58
WERE	'CITY OF ERIE 69KV'	26.53	0.00285	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.06994	-0.06709	59
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00282	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.06994	-0.06712	59
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01073	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07071	-0.05998	66
WERE	'CITY OF IOLA 69KV'	23.063	0.00191	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06088	-0.05897	67
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01073	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.06994	-0.05921	67
WERE	'CITY OF ERIE 69KV'	26.53	0.00285	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06088	-0.05803	68
WERE	'GETTY 69KV'	35	0.01231	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.06994	-0.05763	68
WERE	'GETTY 69KV'	35	0.01231	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07071	-0.0584	68
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00282	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06088	-0.05806	68
WERE	'GILL ENERGY CENTER 69KV'	73	0.01332	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07071	-0.05739	69
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01418	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07071	-0.05653	70
WERE	'GILL ENERGY CENTER 69KV'	73	0.01332	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.06994	-0.05662	70
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01418	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.06994	-0.05576	71
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01073	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06088	-0.05015	79
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00282	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.05225	-0.04943	80
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00282	WERE	'SMOKEY HILLS 34KV'	50	0.05184	-0.04902	80
WERE	'GETTY 69KV'	35	0.01231	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06088	-0.04857	81
WERE	'GILL ENERGY CENTER 69KV'	73	0.01332	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06088	-0.04756	83
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01418	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06088	-0.0467	84
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00282	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04938	-0.04656	85
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01073	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.05225	-0.04152	95
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01073	WERE	'SMOKEY HILLS 34KV'	50	0.05184	-0.04111	96
WERE	'GETTY 69KV'	35	0.01231	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.05225	-0.03994	99
WERE	'GETTY 69KV'	35	0.01231	WERE	'SMOKEY HILLS 34KV'	50	0.05184	-0.03953	100
WERE	'GILL ENERGY CENTER 69KV'	73	0.01332	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.05225	-0.03893	101
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01073	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04938	-0.03865	102
WERE	'GILL ENERGY CENTER 69KV'	73	0.01332	WERE	'SMOKEY HILLS 34KV'	50	0.05184	-0.03852	102
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01418	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.05225	-0.03807	104
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01418	WERE	'SMOKEY HILLS 34KV'	50	0.05184	-0.03766	105
WERE	'GILL ENERGY CENTER 69KV'	73	0.01332	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04938	-0.03606	109
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01418	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04938	-0.0352	112

Maximum Decrement and Maximum Increment were determine from the 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: PENNSYLVANIA - WESTMOORE 138KV CKT 1
Limiting Facility: PENNSYLVANIA - WESTMOORE 138KV CKT 1
Direction: To->From
Line Outage: CIMARRON - CZECH HALL 138KV CKT 1
Flowgate: 5492554887154898548941230 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
1032973	4.5	4.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.53475	8
OKGE	'MUSTANG 138KV'	365.5	-0.16736	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.4893	9
OKGE	'MUSTANG 69KV'	106	-0.15652	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.47846	9
OKGE	'HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.37687	12
OKGE	'HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.37687	12
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.37687	12
OKGE	'HORSESHOE LAKE 69KV'	16	-0.05468	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.37662	12
OKGE	'ONE OAK 345KV'	236	-0.012	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.33394	13
OKGE	'REDBUD 345KV'	900	-0.01473	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.33667	13
OKGE	'REDBUD 345KV'	421.65	-0.01473	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.33667	13
OKGE	'TINKER 5G 138KV'	62	-0.03232	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.35426	13
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.00715	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.32909	14
OKGE	'MUSKOGEE 161KV'	166	-0.00241	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.32435	14
OKGE	'MUSKOGEE 161KV'	31	-0.00241	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.32435	14
OKGE	'MUSKOGEE 345KV'	20	-0.00226	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.3242	14
OKGE	'SEMINOLE 138KV'	47.72726	0.00867	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.31327	14
OKGE	'SEMINOLE 345KV'	406.08	0.00924	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.3127	14
OKGE	'SOONER 138KV'	24.99997	-0.00824	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.33018	14
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00604	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.32798	14
OKGE	'WOODWARD 24KV'	9.3	0.0058	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.31614	14
OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'SEMINOLE 138KV'	457.2728	0.00867	-0.22148	20
OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'SEMINOLE 345KV'	590.52	0.00924	-0.22205	20
OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'AES 161KV'	320	-0.00021	-0.2126	21
OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'FPLWND2 34KV'	43.0032	0.0052	-0.21801	21
OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'MUSKOGEE 345KV'	1516	-0.00226	-0.21055	21
OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'ONE OAK 345KV'	100	-0.012	-0.20081	22
OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'SOONER 138KV'	505	-0.00824	-0.20457	22
OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'SOONER 345KV'	513	-0.00735	-0.20546	22
OKGE	'MUSTANG 138KV'	365.5	-0.16736	OKGE	'SEMINOLE 345KV'	590.52	0.00924	-0.1766	25
OKGE	'MUSTANG 138KV'	365.5	-0.16736	OKGE	'FPLWND2 34KV'	43.0032	0.0052	-0.17256	26
OKGE	'MUSTANG 138KV'	365.5	-0.16736	OKGE	'SEMINOLE 138KV'	457.2728	0.00867	-0.17603	26
OKGE	'MUSTANG 138KV'	365.5	-0.16736	OKGE	'AES 161KV'	320	-0.00021	-0.16715	27
OKGE	'MUSTANG 138KV'	365.5	-0.16736	OKGE	'MUSKOGEE 345KV'	1516	-0.00226	-0.1651	27
OKGE	'MUSTANG 69KV'	106	-0.15652	OKGE	'SEMINOLE 138KV'	457.2728	0.00867	-0.16519	27
OKGE	'MUSTANG 69KV'	106	-0.15652	OKGE	'SEMINOLE 345KV'	590.52	0.00924	-0.16576	27
OKGE	'MUSTANG 138KV'	365.5	-0.16736	OKGE	'SOONER 138KV'	505	-0.00824	-0.15912	28
OKGE	'MUSTANG 138KV'	365.5	-0.16736	OKGE	'SOONER 345KV'	513	-0.00735	-0.16001	28
OKGE	'MUSTANG 69KV'	106	-0.15652	OKGE	'FPLWND2 34KV'	43.0032	0.0052	-0.16172	28
OKGE	'MUSTANG 138KV'	365.5	-0.16736	OKGE	'ONE OAK 345KV'	100	-0.012	-0.15536	29
OKGE	'MUSTANG 69KV'	106	-0.15652	OKGE	'AES 161KV'	320	-0.00021	-0.15631	29
OKGE	'MUSTANG 69KV'	106	-0.15652	OKGE	'MUSKOGEE 345KV'	1516	-0.00226	-0.15426	29
OKGE	'MUSTANG 69KV'	106	-0.15652	OKGE	'SOONER 138KV'	505	-0.00824	-0.14828	30
OKGE	'MUSTANG 69KV'	106	-0.15652	OKGE	'SOONER 345KV'	513	-0.00735	-0.14917	30
OKGE	'MUSTANG 69KV'	106	-0.15652	OKGE	'ONE OAK 345KV'	100	-0.012	-0.14452	31
OKGE	'HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	'SEMINOLE 345KV'	590.52	0.00924	-0.06417	70
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	'SEMINOLE 345KV'	590.52	0.00924	-0.06417	70
OKGE	'HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	'SEMINOLE 345KV'	590.52	0.00924	-0.06417	70
OKGE	'HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	'SEMINOLE 138KV'	457.2728	0.00867	-0.0636	71
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	'SEMINOLE 138KV'	457.2728	0.00867	-0.0636	71
OKGE	'HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	'SEMINOLE 138KV'	457.2728	0.00867	-0.0636	71
OKGE	'HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	'FPLWND2 34KV'	43.0032	0.0052	-0.06013	75
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	'FPLWND2 34KV'	43.0032	0.0052	-0.06013	75
OKGE	'HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	'FPLWND2 34KV'	43.0032	0.0052	-0.06013	75
OKGE	'HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	'AES 161KV'	320	-0.00021	-0.05472	82
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	'AES 161KV'	320	-0.00021	-0.05472	82
OKGE	'HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	'AES 161KV'	320	-0.00021	-0.05472	82
OKGE	'HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	'MUSKOGEE 345KV'	1516	-0.00226	-0.05267	85
OKGE	'HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	'MUSKOGEE 345KV'	1516	-0.00226	-0.05267	85
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	'MUSKOGEE 345KV'	1516	-0.00226	-0.05267	85
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	'SOONER 345KV'	513	-0.00735	-0.04758	94
OKGE	'HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	'SOONER 345KV'	513	-0.00735	-0.04758	94
OKGE	'HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	'SOONER 345KV'	513	-0.00735	-0.04758	94
OKGE	'HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	'SOONER 138KV'	505	-0.00824	-0.04669	96
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	'SOONER 138KV'	505	-0.00824	-0.04669	96
OKGE	'HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	'SOONER 138KV'	505	-0.00824	-0.04669	96
OKGE	'HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	'ONE OAK 345KV'	100	-0.012	-0.04293	105
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	'ONE OAK 345KV'	100	-0.012	-0.04293	105
OKGE	'HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	'ONE OAK 345KV'	100	-0.012	-0.04293	105
OKGE	'TINKER 5G 138KV'	62	-0.03232	OKGE	'SEMINOLE 345KV'	590.52	0.00924	-0.04156	108
OKGE	'TINKER 5G 138KV'	62	-0.03232	OKGE	'SEMINOLE 138KV'	457.2728	0.00867	-0.04099	110
OKGE	'TINKER 5G 138KV'	62	-0.03232	OKGE	'FPLWND2 34KV'	43.0032	0.0052	-0.03752	120
OKGE	'TINKER 5G 138KV'	62	-0.03232	OKGE	'AES 161KV'	320	-0.00021	-0.03211	140
OKGE	'TINKER 5G 138KV'	62	-0.03232	OKGE	'MUSKOGEE 345KV'	1516	-0.00226	-0.03006	149

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

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

Upgrade: PENNSYLVANIA - WESTMOORE 138KV CKT 1
Limiting Facility: PENNSYLVANIA - WESTMOORE 138KV CKT 1
Direction: To->From
Line Outage: HOLLYWOOD - INDIAN HILLS 138KV CKT 1
Flowgate: 549255488715495354954123O7FA
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
977481	0.8	0.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'SMITH COGEN 138KV'	110	-0.19229	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.54728	1
OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.01232	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.36731	2
OKGE	'HORSESHOE LAKE 138KV'	380	-0.0583	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.41329	2
OKGE	'HORSESHOE LAKE 138KV'	91	-0.0583	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.41329	2
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.0583	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.41329	2
OKGE	'HORSESHOE LAKE 69KV'	16	-0.056	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.41099	2
OKGE	'MUSKOGEE 161KV'	31	-0.00161	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.3566	2
OKGE	'MUSKOGEE 161KV'	166	-0.00161	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.3566	2
OKGE	'MUSKOGEE 345KV'	20	-0.00178	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.35677	2
OKGE	'MUSTANG 138KV'	365.5	-0.13538	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.49037	2
OKGE	'MUSTANG 69KV'	106	-0.13972	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.49471	2
OKGE	'ONE OAK 345KV'	236	-0.01875	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.37374	2
OKGE	'REDBUD 345KV'	900	-0.01762	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.37261	2
OKGE	'REDBUD 345KV'	421.65	-0.01762	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.37261	2
OKGE	'SEMINOLE 138KV'	47.72726	0.01443	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.34056	2
OKGE	'SEMINOLE 345KV'	406.08	0.01418	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.34081	2
OKGE	'SOONER 138KV'	24.99997	-0.01388	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.36887	2
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.01311	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.3681	2
OKGE	'TINKER 5G 138KV'	62	-0.02997	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.38496	2
OKGE	'WOODWARD 24KV'	9.3	-0.00591	OKGE	'MCCLAIN 138KV'	478	0.35499	-0.3609	2
OKGE	'SMITH COGEN 138KV'	110	-0.19229	OKGE	'AES 161KV'	320	0.00083	-0.19312	4
OKGE	'SMITH COGEN 138KV'	110	-0.19229	OKGE	'FPLWND2 34KV'	43.0032	-0.00582	-0.18647	4
OKGE	'SMITH COGEN 138KV'	110	-0.19229	OKGE	'MUSKOGEE 345KV'	1516	-0.00178	-0.19051	4
OKGE	'SMITH COGEN 138KV'	110	-0.19229	OKGE	'SEMINOLE 138KV'	457.2728	0.01443	-0.20672	4
OKGE	'SMITH COGEN 138KV'	110	-0.19229	OKGE	'SEMINOLE 345KV'	590.52	0.01418	-0.20647	4
OKGE	'MUSTANG 138KV'	365.5	-0.13538	OKGE	'SEMINOLE 138KV'	457.2728	0.01443	-0.14981	5
OKGE	'MUSTANG 138KV'	365.5	-0.13538	OKGE	'SEMINOLE 345KV'	590.52	0.01418	-0.14956	5
OKGE	'MUSTANG 69KV'	106	-0.13972	OKGE	'SEMINOLE 138KV'	457.2728	0.01443	-0.15415	5
OKGE	'MUSTANG 69KV'	106	-0.13972	OKGE	'SEMINOLE 345KV'	590.52	0.01418	-0.1539	5
OKGE	'SMITH COGEN 138KV'	110	-0.19229	OKGE	'ONE OAK 345KV'	100	-0.01875	-0.17354	5
OKGE	'SMITH COGEN 138KV'	110	-0.19229	OKGE	'SOONER 138KV'	505	-0.01388	-0.17841	5
OKGE	'SMITH COGEN 138KV'	110	-0.19229	OKGE	'SOONER 345KV'	513	-0.01394	-0.17835	5
OKGE	'MUSTANG 138KV'	365.5	-0.13538	OKGE	'AES 161KV'	320	0.00083	-0.13621	6
OKGE	'MUSTANG 138KV'	365.5	-0.13538	OKGE	'FPLWND2 34KV'	43.0032	-0.00582	-0.12956	6
OKGE	'MUSTANG 138KV'	365.5	-0.13538	OKGE	'MUSKOGEE 345KV'	1516	-0.00178	-0.1336	6
OKGE	'MUSTANG 69KV'	106	-0.13972	OKGE	'AES 161KV'	320	0.00083	-0.14055	6
OKGE	'MUSTANG 69KV'	106	-0.13972	OKGE	'FPLWND2 34KV'	43.0032	-0.00582	-0.1339	6
OKGE	'MUSTANG 69KV'	106	-0.13972	OKGE	'MUSKOGEE 345KV'	1516	-0.00178	-0.13794	6
OKGE	'MUSTANG 69KV'	106	-0.13972	OKGE	'SOONER 138KV'	505	-0.01388	-0.12584	6
OKGE	'MUSTANG 69KV'	106	-0.13972	OKGE	'SOONER 345KV'	513	-0.01394	-0.12578	6
OKGE	'MUSTANG 138KV'	365.5	-0.13538	OKGE	'ONE OAK 345KV'	100	-0.01875	-0.11663	7
OKGE	'MUSTANG 138KV'	365.5	-0.13538	OKGE	'SOONER 138KV'	505	-0.01388	-0.1215	7
OKGE	'MUSTANG 138KV'	365.5	-0.13538	OKGE	'SOONER 345KV'	513	-0.01394	-0.12144	7
OKGE	'MUSTANG 69KV'	106	-0.13972	OKGE	'ONE OAK 345KV'	100	-0.01875	-0.12097	7
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.0583	OKGE	'SEMINOLE 138KV'	457.2728	0.01443	-0.07273	11
OKGE	'HORSESHOE LAKE 138KV'	91	-0.0583	OKGE	'SEMINOLE 138KV'	457.2728	0.01443	-0.07273	11
OKGE	'HORSESHOE LAKE 138KV'	380	-0.0583	OKGE	'SEMINOLE 138KV'	457.2728	0.01443	-0.07273	11
OKGE	'HORSESHOE LAKE 138KV'	91	-0.0583	OKGE	'SEMINOLE 345KV'	590.52	0.01418	-0.07248	11
OKGE	'HORSESHOE LAKE 138KV'	380	-0.0583	OKGE	'SEMINOLE 345KV'	590.52	0.01418	-0.07248	11
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.0583	OKGE	'SEMINOLE 345KV'	590.52	0.01418	-0.07248	11
OKGE	'HORSESHOE LAKE 69KV'	16	-0.056	OKGE	'SEMINOLE 138KV'	457.2728	0.01443	-0.07043	11
OKGE	'HORSESHOE LAKE 69KV'	16	-0.056	OKGE	'SEMINOLE 345KV'	590.52	0.01418	-0.07018	11
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.0583	OKGE	'AES 161KV'	320	0.00083	-0.05913	14
OKGE	'HORSESHOE LAKE 138KV'	380	-0.0583	OKGE	'AES 161KV'	320	0.00083	-0.05913	14
OKGE	'HORSESHOE LAKE 138KV'	91	-0.0583	OKGE	'AES 161KV'	320	0.00083	-0.05913	14
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.0583	OKGE	'MUSKOGEE 345KV'	1516	-0.00178	-0.05652	14
OKGE	'HORSESHOE LAKE 138KV'	91	-0.0583	OKGE	'MUSKOGEE 345KV'	1516	-0.00178	-0.05652	14
OKGE	'HORSESHOE LAKE 138KV'	380	-0.0583	OKGE	'MUSKOGEE 345KV'	1516	-0.00178	-0.05652	14
OKGE	'HORSESHOE LAKE 69KV'	16	-0.056	OKGE	'AES 161KV'	320	0.00083	-0.05683	14
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.0583	OKGE	'FPLWND2 34KV'	43.0032	-0.00582	-0.05248	15
OKGE	'HORSESHOE LAKE 138KV'	380	-0.0583	OKGE	'FPLWND2 34KV'	43.0032	-0.00582	-0.05248	15
OKGE	'HORSESHOE LAKE 138KV'	91	-0.0583	OKGE	'FPLWND2 34KV'	43.0032	-0.00582	-0.05248	15
OKGE	'HORSESHOE LAKE 69KV'	16	-0.056	OKGE	'MUSKOGEE 345KV'	1516	-0.00178	-0.05422	15
OKGE	'HORSESHOE LAKE 69KV'	16	-0.056	OKGE	'FPLWND2 34KV'	43.0032	-0.00582	-0.05018	16
OKGE	'HORSESHOE LAKE 138KV'	91	-0.0583	OKGE	'SOONER 138KV'	505	-0.01388	-0.04442	18
OKGE	'HORSESHOE LAKE 138KV'	380	-0.0583	OKGE	'SOONER 138KV'	505	-0.01388	-0.04442	18
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.0583	OKGE	'SOONER 138KV'	505	-0.01388	-0.04442	18
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.0583	OKGE	'SOONER 345KV'	513	-0.01394	-0.04436	18
OKGE	'HORSESHOE LAKE 138KV'	91	-0.0583	OKGE	'SOONER 345KV'	513	-0.01394	-0.04436	18
OKGE	'HORSESHOE LAKE 138KV'	380	-0.0583	OKGE	'SOONER 345KV'	513	-0.01394	-0.04436	18
OKGE	'TINKER 5G 138KV'	62	-0.02997	OKGE	'SEMINOLE 138KV'	457.2728	0.01443	-0.0444	18
OKGE	'TINKER 5G 138KV'	62	-0.02997	OKGE	'SEMINOLE 345KV'	590.52	0.01418	-0.04415	18
OKGE	'HORSESHOE LAKE 69KV'	16	-0.056	OKGE	'SOONER 138KV'	505	-0.01388	-0.04212	19
OKGE	'HORSESHOE LAKE 69KV'	16	-0.056	OKGE	'SOONER 345KV'	513	-0.01394	-0.04206	19
OKGE	'HORSESHOE LAKE 138KV'	380	-0.0583	OKGE	'ONE OAK 345KV'	100	-0.01875	-0.03955	20
OKGE	'HORSESHOE LAKE 138KV'	91	-0.0583	OKGE	'ONE OAK 345KV'	100	-0.01875	-0.03955	20
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.0583	OKGE	'ONE OAK 345KV'	100	-0.01875	-0.03955	20
WFEC	'MORLND 138KV'	320	-0.00582	WFEC	'ANADARKO 138KV'	227.1169	0.03305	-0.03887	21
OKGE	'HORSESHOE LAKE 69KV'	16	-0.056	OKGE	'ONE OAK 345KV'	100	-0.01875	-0.03725	22
OKGE	'ONE OAK 345KV'	236	-0.01875	OKGE	'SEMINOLE 138KV'	457.2728	0.01443	-0.03318	24
OKGE	'ONE OAK 345KV'	236	-0.01875	OKGE	'SEMINOLE 345KV'	590.52	0.01418	-0.03293	24
OKGE	'REDBUD 345KV'	421.65	-0.01762	OKGE	'SEMINOLE 138KV'	457.2728	0.01443	-0.03205	25
OKGE	'REDBUD 345KV'	900	-0.01762	OKGE	'SEMINOLE 138KV'	457.2728	0.01443	-0.03205	25
OKGE	'REDBUD 345KV'	900	-0.01762	OKGE	'SEMINOLE 345KV'	590.52	0.01418	-0.0318	25
OKGE	'REDBUD 345KV'	421.65	-0.01762	OKGE	'SEMINOLE 345KV'	590.52	0.01418	-0.0318	25
AEPW	'COGENTRIX 345KV'	229	-0.0049	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02625	-0.03115	26
AEPW	'NORTHEASTERN STATION 138KV'	198	-0.00456	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02625	-0.03081	26
AEPW	'NORTHEASTERN STATION 345KV'	94.99997	-0.00434	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02625	-0.03059	26
AEPW	'RIVERSIDE STATION 138KV'	529	-0.00441	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02625	-0.03066	26
OKGE	'TINKER 5G 138KV'	62	-0.02997	OKGE	'AES 161KV'	320	0.00083	-0.0308	26
AEPW	'TULSA POWER STATION 138KV'	147	-0.00475	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02625	-0.031	26
AEPW	'TULSA POWER STATION 138KV'	147	-0.00475	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02625	-0.031	26
AEPW	'TULSA POWER STATION 69KV'	33	-0.00475	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02625	-0.031	26
AEPW	'TULSA POWER STATION 69KV'	24	-0.00475	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02625	-0.031	26
AEPW	'TULSA POWER STATION 69KV'	23	-0.00475	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02625	-0.031	26
AEPW	'MID-CONTINENT 138KV'	142.11	-0.0039	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02625	-0.03015	27
AEPW	'OEC 345KV'	1210	-0.00406	AEPW	'SOUTHWESTERN STATION 138KV'	29	0.02625	-0.03031	27

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

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

Upgrade: SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1 REDISPATCH
Limiting Facility: SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: NORTON - NORTON 161KV CKT 1
Flowgate: 58063580941961055806411206SH
Date Redispatch Needed: 6/1/06 - 10/1/06
Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1031553	1.0	1.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
KACP	'CITY OF HIGGINSVILLE 69KV'	36	-0.24049	KACP	'MARSHALL 161KV'	30	0.06905	-0.30954	3
KACP	'CITY OF HIGGINSVILLE 69KV'	36	-0.24049	KACP	'HAWTHORN 161KV'	455	-0.00474	-0.23575	4
KACP	'CITY OF HIGGINSVILLE 69KV'	36	-0.24049	KACP	'HAWTHORN 161KV'	152.759	-0.00474	-0.23575	4
KACP	'CITY OF HIGGINSVILLE 69KV'	36	-0.24049	KACP	'IATAN 345KV'	396	-0.00378	-0.23671	4
KACP	'CITY OF HIGGINSVILLE 69KV'	36	-0.24049	KACP	'LACYGNE UNIT 345KV'	962	-0.00432	-0.23617	4
KACP	'CITY OF HIGGINSVILLE 69KV'	36	-0.24049	KACP	'MONTROSE 161KV'	355.2856	-0.00673	-0.23376	4
KACP	'BULL CREEK 161KV'	308	-0.00461	KACP	'MARSHALL 161KV'	30	0.06905	-0.07366	13
KACP	'GARDNER 161KV'	11	-0.00466	KACP	'MARSHALL 161KV'	30	0.06905	-0.07371	13
KACP	'GRAND AVENUE 161KV'	65	-0.00476	KACP	'MARSHALL 161KV'	30	0.06905	-0.07381	13
KACP	'HAWTHORN 161KV'	161.241	-0.00474	KACP	'MARSHALL 161KV'	30	0.06905	-0.07379	13
KACP	'MONTROSE 161KV'	25.71445	-0.00673	KACP	'MARSHALL 161KV'	30	0.06905	-0.07578	13
KACP	'NORTHEAST 13KV'	59	-0.00476	KACP	'MARSHALL 161KV'	30	0.06905	-0.07381	13
KACP	'NORTHEAST 13KV'	58	-0.00476	KACP	'MARSHALL 161KV'	30	0.06905	-0.07381	13
KACP	'NORTHEAST 13KV'	56	-0.00476	KACP	'MARSHALL 161KV'	30	0.06905	-0.07381	13
KACP	'NORTHEAST 13KV'	56	-0.00476	KACP	'MARSHALL 161KV'	30	0.06905	-0.07381	13
KACP	'NORTHEAST 161KV'	58	-0.00476	KACP	'MARSHALL 161KV'	30	0.06905	-0.07381	13
KACP	'NORTHEAST 161KV'	58	-0.00476	KACP	'MARSHALL 161KV'	30	0.06905	-0.07381	13
KACP	'NORTHEAST 161KV'	58	-0.00476	KACP	'MARSHALL 161KV'	30	0.06905	-0.07381	13
KACP	'NORTHEAST 161KV'	55	-0.00476	KACP	'MARSHALL 161KV'	30	0.06905	-0.07381	13
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	-0.00464	KACP	'MARSHALL 161KV'	30	0.06905	-0.07369	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: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
Direction: To->From
Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
Flowgate: 5727057182156765567721 1107FA
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
1035259	4.0	4.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.31955	12
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.25221	16
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.21559	18
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.22465	18
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07077	-0.22542	18
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'HUTCHINSON ENERGY CENTER 115KV'	57.01367	0.04944	-0.20409	19
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'SMOKEY HILLS 34KV'	50	0.05191	-0.20656	19
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'EVANS ENERGY CENTER 138KV'	305	0.01425	-0.1689	23
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'GILL ENERGY CENTER 138KV'	155	0.01366	-0.16831	23
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'WACO 138KV'	17.946	0.01372	-0.16837	23
WERE	'CITY OF GIRARD 69KV'	8.909	0.00175	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.16315	24
WERE	'CITY OF IOLA 69KV'	13.372	0.00198	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.16292	24
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.01176	-0.16641	24
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00289	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.16201	24
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00409	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.16081	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'CHANUTE 69KV'	56.296	0.00292	-0.15757	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00526	-0.15991	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'CITY OF IOLA 69KV'	24.256	0.00198	-0.15663	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00526	-0.15991	25
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.15731	25
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07077	-0.15808	25
WERE	'CITY OF MULVANE 69KV'	10.899	0.01258	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.15232	26
WERE	'CITY OF WINFIELD 69KV'	33.672	0.0108	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.1541	26
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01425	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.15065	26
WERE	'GETTY 69KV'	35	0.01237	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.15253	26
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.01366	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.15124	26
WERE	'GILL ENERGY CENTER 69KV'	118	0.01339	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.15151	26
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.14825	27
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'SMOKEY HILLS 34KV'	50	0.05191	-0.13922	28
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'HUTCHINSON ENERGY CENTER 115KV'	57.01367	0.04944	-0.13675	29
WERE	'SOUTH SENECA 115KV'	15	0.04224	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.12266	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	325.9863	0.04944	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.11546	34
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.04943	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.11547	34
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	0.05231	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.11259	35
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.06379	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.10111	39
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'EVANS ENERGY CENTER 138KV'	305	0.01425	-0.10156	39
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'GILL ENERGY CENTER 138KV'	155	0.01366	-0.10097	39
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'WACO 138KV'	17.946	0.01372	-0.10103	39
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.01176	-0.09907	40
WERE	'JEFFREY ENERGY CENTER 345KV'	58	0.07077	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.09413	42
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00526	-0.09257	43
WERE	'LAWRENCE ENERGY CENTER 230KV'	44.22256	-0.08731	WERE	'CITY OF IOLA 69KV'	24.256	0.00198	-0.08929	44
WERE	'HOLTON 115KV'	19.8	0.07627	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.1649	-0.08863	45
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00289	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07077	-0.06788	58
WERE	'LAWRENCE ENERGY CENTER 115KV'	178	-0.15465	WERE	'LAWRENCE ENERGY CENTER 230KV'	224.7774	-0.08731	-0.06734	59
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00289	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.06711	59
WERE	'CITY OF WINFIELD 69KV'	33.672	0.0108	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07077	-0.05997	66
WERE	'CITY OF WINFIELD 69KV'	33.672	0.0108	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.0592	67
WERE	'GETTY 69KV'	35	0.01237	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07077	-0.0584	68
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00289	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.05805	68
WERE	'GETTY 69KV'	35	0.01237	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.05763	69
WERE	'GILL ENERGY CENTER 69KV'	118	0.01339	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07077	-0.05738	69
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01425	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07077	-0.05652	70
WERE	'GILL ENERGY CENTER 69KV'	118	0.01339	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.05661	70
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01425	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.05575	71
WERE	'CITY OF WINFIELD 69KV'	33.672	0.0108	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.05014	79
WERE	'GETTY 69KV'	35	0.01237	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.04857	81
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00289	WERE	'SMOKEY HILLS 34KV'	50	0.05191	-0.04902	81
WERE	'GILL ENERGY CENTER 69KV'	118	0.01339	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.04755	83
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01425	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.04669	85
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00289	WERE	'HUTCHINSON ENERGY CENTER 115KV'	57.01367	0.04944	-0.04655	85
WERE	'CITY OF WINFIELD 69KV'	33.672	0.0108	WERE	'SMOKEY HILLS 34KV'	50	0.05191	-0.04111	96
WERE	'GETTY 69KV'	35	0.01237	WERE	'SMOKEY HILLS 34KV'	50	0.05191	-0.03954	100
WERE	'GILL ENERGY CENTER 69KV'	118	0.01339	WERE	'SMOKEY HILLS 34KV'	50	0.05191	-0.03852	103
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01425	WERE	'SMOKEY HILLS 34KV'	50	0.05191	-0.03766	105
WERE	'GILL ENERGY CENTER 69KV'	118	0.01339	WERE	'HUTCHINSON ENERGY CENTER 115KV'	57.01367	0.04944	-0.03605	110
WERE	'EVANS ENERGY CENTER 138KV'	348	0.01425	WERE	'HUTCHINSON ENERGY CENTER 115KV'	57.01367	0.04944	-0.03519	112

Maximum Decrement and Maximum Increment were determine from the 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: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
Direction: To->From
Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
Flowgate: 57270571821567655677211107SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1035259	4.0	4.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.31954	12
WERE	'LAWRENCE ENERGY CENTER 230KV'	45.87595	-0.08732	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.25221	16
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.21559	18
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.22465	18
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07076	-0.22541	18
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'BPU - CITY OF MCPHERSON 115KV'	128.3303	0.0523	-0.20695	19
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04943	-0.20408	19
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'SMOKEY HILLS 34KV'	50	0.0519	-0.20655	19
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01424	-0.16889	23
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'GILL ENERGY CENTER 138KV'	155	0.01365	-0.1683	23
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'WACO 138KV'	17.947	0.01371	-0.16836	23
WERE	'CITY OF IOLA 69KV'	17.763	0.00198	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.16291	24
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'CITY OF AUGUSTA 69KV'	26.1	0.01214	-0.16679	24
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'CITY OF WELLINGTON 69KV'	39.5	0.01176	-0.16641	24
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'CITY OF WINFIELD 69KV'	39.90401	0.01079	-0.16544	24
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00288	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.16201	24
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00409	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.1608	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'CHANUTE 69KV'	46.617	0.00291	-0.15756	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00526	-0.15991	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'CITY OF ERIE 69KV'	19.965	0.00291	-0.15756	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'CITY OF IOLA 69KV'	19.865	0.00198	-0.15663	25
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00526	-0.15991	25
WERE	'LAWRENCE ENERGY CENTER 230KV'	45.87595	-0.08732	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.15732	25
WERE	'LAWRENCE ENERGY CENTER 230KV'	45.87595	-0.08732	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07076	-0.15808	25
WERE	'CITY OF MULVANE 69KV'	9.601001	0.01258	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.15231	26
WERE	'EVANS ENERGY CENTER 138KV'	313	0.01424	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.15065	26
WERE	'GETTY 69KV'	35	0.01237	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.15252	26
WERE	'GILL ENERGY CENTER 138KV'	17.99999	0.01365	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.15124	26
WERE	'GILL ENERGY CENTER 69KV'	118	0.01338	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.15151	26
WERE	'LAWRENCE ENERGY CENTER 230KV'	45.87595	-0.08732	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.14826	27
WERE	'LAWRENCE ENERGY CENTER 230KV'	45.87595	-0.08732	WERE	'BPU - CITY OF MCPHERSON 115KV'	128.3303	0.0523	-0.13962	28
WERE	'LAWRENCE ENERGY CENTER 230KV'	45.87595	-0.08732	WERE	'SMOKEY HILLS 34KV'	50	0.0519	-0.13922	28
WERE	'LAWRENCE ENERGY CENTER 230KV'	45.87595	-0.08732	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04943	-0.13675	29
WERE	'SOUTH SENECA 115KV'	15	0.04222	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.12267	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	263	0.04943	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.11546	34
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	0.04942	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.11547	34
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.06379	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.1011	39
WERE	'LAWRENCE ENERGY CENTER 230KV'	45.87595	-0.08732	WERE	'EVANS ENERGY CENTER 138KV'	340	0.01424	-0.10156	39
WERE	'LAWRENCE ENERGY CENTER 230KV'	45.87595	-0.08732	WERE	'GILL ENERGY CENTER 138KV'	155	0.01365	-0.10097	39
WERE	'LAWRENCE ENERGY CENTER 230KV'	45.87595	-0.08732	WERE	'WACO 138KV'	17.947	0.01371	-0.10103	39
WERE	'LAWRENCE ENERGY CENTER 230KV'	45.87595	-0.08732	WERE	'CITY OF AUGUSTA 69KV'	26.1	0.01214	-0.09946	40
WERE	'JEFFREY ENERGY CENTER 345KV'	58	0.07076	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.09413	42
WERE	'LAWRENCE ENERGY CENTER 230KV'	45.87595	-0.08732	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00526	-0.09258	43
WERE	'LAWRENCE ENERGY CENTER 230KV'	45.87595	-0.08732	WERE	'CITY OF ERIE 69KV'	19.965	0.00291	-0.09023	44
WERE	'LAWRENCE ENERGY CENTER 230KV'	45.87595	-0.08732	WERE	'CITY OF IOLA 69KV'	19.865	0.00198	-0.0893	44
WERE	'HOLTON 115KV'	19.8	0.07626	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.16489	-0.08863	45
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00288	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07076	-0.06788	58
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	-0.15465	WERE	'LAWRENCE ENERGY CENTER 230KV'	223.1241	-0.08732	-0.06733	59
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00288	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.06712	59
WERE	'GETTY 69KV'	35	0.01237	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07076	-0.05839	68
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00288	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.05806	68
WERE	'GETTY 69KV'	35	0.01237	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.05763	69
WERE	'GILL ENERGY CENTER 69KV'	118	0.01338	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07076	-0.05738	69
WERE	'EVANS ENERGY CENTER 138KV'	313	0.01424	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07076	-0.05652	70
WERE	'GILL ENERGY CENTER 69KV'	118	0.01338	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.05662	70
WERE	'EVANS ENERGY CENTER 138KV'	313	0.01424	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.05576	71
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00288	WERE	'BPU - CITY OF MCPHERSON 115KV'	128.3303	0.0523	-0.04942	80
WERE	'GETTY 69KV'	35	0.01237	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.04857	81
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00288	WERE	'SMOKEY HILLS 34KV'	50	0.0519	-0.04902	81
WERE	'GILL ENERGY CENTER 69KV'	118	0.01338	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.04756	83
WERE	'EVANS ENERGY CENTER 138KV'	313	0.01424	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.0467	85
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00288	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04943	-0.04655	85
WERE	'GETTY 69KV'	35	0.01237	WERE	'BPU - CITY OF MCPHERSON 115KV'	128.3303	0.0523	-0.03993	99
WERE	'GETTY 69KV'	35	0.01237	WERE	'SMOKEY HILLS 34KV'	50	0.0519	-0.03953	100
WERE	'GILL ENERGY CENTER 69KV'	118	0.01338	WERE	'BPU - CITY OF MCPHERSON 115KV'	128.3303	0.0523	-0.03892	102
WERE	'GILL ENERGY CENTER 69KV'	118	0.01338	WERE	'SMOKEY HILLS 34KV'	50	0.0519	-0.03852	103
WERE	'EVANS ENERGY CENTER 138KV'	313	0.01424	WERE	'BPU - CITY OF MCPHERSON 115KV'	128.3303	0.0523	-0.03806	104
WERE	'EVANS ENERGY CENTER 138KV'	313	0.01424	WERE	'SMOKEY HILLS 34KV'	50	0.0519	-0.03766	105
WERE	'GILL ENERGY CENTER 69KV'	118	0.01338	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04943	-0.03605	110
WERE	'EVANS ENERGY CENTER 138KV'	313	0.01424	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04943	-0.03519	112

Maximum Decrement and Maximum Increment were determine from the 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: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
Direction: To->From
Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
Flowgate: 5727057182156765567721110 7SP
Date Redispatch Needed: 6/1/07 - 10/1/07
Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1035259	4.0	4.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CITY OF IOLA 69KV'	13.361	0.00198	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.16489	-0.16291	24
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00288	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.16489	-0.16201	24
WERE	'GETTY 69KV'	35	0.01237	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.16489	-0.15252	26
WERE	'HUTCHINSON ENERGY CENTER 115KV'	133	0.04943	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.16489	-0.11546	34
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.04942	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.16489	-0.11547	34
WERE	'BPU - CITY OF MCPHERSON 115KV'	17.25488	0.0523	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.16489	-0.11259	35
WERE	'CLAY CENTER JUNCTION 115KV'	28.7	0.06379	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.16489	-0.1011	39
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00288	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07076	-0.06788	58
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00288	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.06712	59
WERE	'GETTY 69KV'	35	0.01237	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07076	-0.05839	68
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00288	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.05806	68
WERE	'GETTY 69KV'	35	0.01237	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.07	-0.05763	69
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00288	WERE	'BPU - CITY OF MCPHERSON 115KV'	156.7451	0.0523	-0.04942	80
WERE	'GETTY 69KV'	35	0.01237	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06094	-0.04857	81
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00288	WERE	'SMOKEY HILLS 34KV'	50	0.0519	-0.04902	81
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00288	WERE	'HUTCHINSON ENERGY CENTER 115KV'	210	0.04943	-0.04655	85
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00288	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.04942	-0.04654	85
WERE	'GETTY 69KV'	35	0.01237	WERE	'BPU - CITY OF MCPHERSON 115KV'	156.7451	0.0523	-0.03993	99
WERE	'GETTY 69KV'	35	0.01237	WERE	'SMOKEY HILLS 34KV'	50	0.0519	-0.03953	100

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

Upgrade: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
Direction: To->From
Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
Flowgate: 5727057182156765567721110 7WP
Date Redispatch Needed: 12/1/07 - 4/1/08
Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1035259	3.9	3.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'CHANUTE 69KV'	45.782	0.00285	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.16484	-0.16199	24
WERE	'CITY OF ERIE 69KV'	26.53	0.00285	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.16484	-0.16199	24
WERE	'CITY OF GIRARD 69KV'	9.21	0.00168	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.16484	-0.16316	24
WERE	'CITY OF IOLA 69KV'	23.063	0.00191	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.16484	-0.16293	24
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00282	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.16484	-0.16202	24
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00402	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.16484	-0.16082	25
WERE	'SOUTH SENECA 115KV'	15	0.04218	WERE	'TECUMSEH ENERGY CENTER 115KV'	128	0.16484	-0.12266	32
WERE	'CITY OF IOLA 69KV'	23.063	0.00191	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07071	-0.0688	57
WERE	'CITY OF ERIE 69KV'	26.53	0.00285	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07071	-0.06786	58
WERE	'CITY OF IOLA 69KV'	23.063	0.00191	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.06994	-0.06803	58
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00282	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07071	-0.06789	58
WERE	'CITY OF ERIE 69KV'	26.53	0.00285	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.06994	-0.06709	59
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00282	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.06994	-0.06712	59
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01073	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07071	-0.05998	66
WERE	'CITY OF IOLA 69KV'	23.063	0.00191	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06088	-0.05897	67
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01073	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.06994	-0.05921	67
WERE	'CITY OF ERIE 69KV'	26.53	0.00285	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06088	-0.05803	68
WERE	'GETTY 69KV'	35	0.01231	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.06994	-0.05763	68
WERE	'GETTY 69KV'	35	0.01231	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07071	-0.0584	68
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00282	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06088	-0.05806	68
WERE	'GILL ENERGY CENTER 69KV'	73	0.01332	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07071	-0.05739	69
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01418	WERE	'JEFFREY ENERGY CENTER 345KV'	924	0.07071	-0.05653	70
WERE	'GILL ENERGY CENTER 69KV'	73	0.01332	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.06994	-0.05662	70
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01418	WERE	'JEFFREY ENERGY CENTER 230KV'	486	0.06994	-0.05576	71
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01073	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06088	-0.05015	79
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00282	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.05225	-0.04943	80
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00282	WERE	'SMOKEY HILLS 34KV'	50	0.05184	-0.04902	80
WERE	'GETTY 69KV'	35	0.01231	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06088	-0.04857	81
WERE	'GILL ENERGY CENTER 69KV'	73	0.01332	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06088	-0.04756	83
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01418	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.06088	-0.0467	84
WERE	'NEOSHO ENERGY CENTER 138KV'	47	0.00282	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04938	-0.04656	85
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01073	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.05225	-0.04152	95
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01073	WERE	'SMOKEY HILLS 34KV'	50	0.05184	-0.04111	96
WERE	'GETTY 69KV'	35	0.01231	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.05225	-0.03994	99
WERE	'GETTY 69KV'	35	0.01231	WERE	'SMOKEY HILLS 34KV'	50	0.05184	-0.03953	100
WERE	'GILL ENERGY CENTER 69KV'	73	0.01332	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.05225	-0.03893	101
WERE	'CITY OF WINFIELD 69KV'	34.68	0.01073	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04938	-0.03865	102
WERE	'GILL ENERGY CENTER 69KV'	73	0.01332	WERE	'SMOKEY HILLS 34KV'	50	0.05184	-0.03852	102
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01418	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.05225	-0.03807	104
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01418	WERE	'SMOKEY HILLS 34KV'	50	0.05184	-0.03766	105
WERE	'GILL ENERGY CENTER 69KV'	73	0.01332	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04938	-0.03606	109
WERE	'EVANS ENERGY CENTER 138KV'	66.94189	0.01418	WERE	'HUTCHINSON ENERGY CENTER 115KV'	120	0.04938	-0.0352	112

Maximum Decrement and Maximum Increment were determine from the 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: WICHITA - RENO CO 345KV
Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
Direction: To->From
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 5736857381156872568731220 8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.1	1.0
1034590	0.2	1.0
1034595	0.7	1.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01484	-0.29874	3
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02064	-0.30454	3
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.5672	0.00767	-0.29157	3
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.34669	3
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'CHANUTE 69KV'	34.903	0.00112	-0.28502	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'CITY OF AUGUSTA 69KV'	24.3	-0.00009	-0.28381	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00215	-0.28605	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'CITY OF GIRARD 69KV'	1.412	0.0012	-0.2851	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'CITY OF IOLA 69KV'	19.902	0.00137	-0.28527	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'CITY OF MULVANE 69KV'	3.921	-0.00104	-0.28286	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00169	-0.28221	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'CITY OF WINFIELD 69KV'	15.81898	-0.00111	-0.28279	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00215	-0.28605	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'EVANS ENERGY CENTER 138KV'	110	-0.00022	-0.28368	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'LAWRENCE ENERGY CENTER 115KV'	16.69849	0.00742	-0.29132	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.00705	-0.29095	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2839	WERE	'WACO 138KV'	17.414	-0.00267	-0.28123	4
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01484	-0.23712	4
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02064	-0.24292	4
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'LAWRENCE ENERGY CENTER 115KV'	16.69849	0.00742	-0.2297	4
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.5672	0.00767	-0.22995	4
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.28507	4
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.00705	-0.22933	4
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01484	-0.23689	4
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02064	-0.24269	4
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'LAWRENCE ENERGY CENTER 115KV'	16.69849	0.00742	-0.22947	4
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.5672	0.00767	-0.22972	4
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.28484	4
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.00705	-0.2291	4
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'CHANUTE 69KV'	34.903	0.00112	-0.2234	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'CITY OF AUGUSTA 69KV'	24.3	-0.00009	-0.22219	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00215	-0.22443	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'CITY OF IOLA 69KV'	19.902	0.00137	-0.22365	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'CITY OF MULVANE 69KV'	3.921	-0.00104	-0.22124	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00169	-0.22059	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'CITY OF WINFIELD 69KV'	15.81898	-0.00111	-0.22117	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00215	-0.22443	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'EVANS ENERGY CENTER 138KV'	110	-0.00022	-0.22206	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.22228	WERE	'WACO 138KV'	17.414	-0.00267	-0.21961	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'CHANUTE 69KV'	34.903	0.00112	-0.22317	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'CITY OF AUGUSTA 69KV'	24.3	-0.00009	-0.22196	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00215	-0.2242	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'CITY OF IOLA 69KV'	19.902	0.00137	-0.22342	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'CITY OF MULVANE 69KV'	3.921	-0.00104	-0.22101	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00169	-0.22036	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'CITY OF WINFIELD 69KV'	15.81898	-0.00111	-0.22094	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00215	-0.2242	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'EVANS ENERGY CENTER 138KV'	110	-0.00022	-0.22183	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22205	WERE	'WACO 138KV'	17.414	-0.00267	-0.21938	5
WERE	'ST JOHN 115KV'	2.9	-0.11373	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.17652	6
WERE	'ST JOHN 115KV'	2.9	-0.11373	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01484	-0.12857	8
WERE	'ST JOHN 115KV'	2.9	-0.11373	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02064	-0.13437	8
WERE	'ST JOHN 115KV'	2.9	-0.11373	WERE	'LAWRENCE ENERGY CENTER 115KV'	16.69849	0.00742	-0.12115	8
WERE	'ST JOHN 115KV'	2.9	-0.11373	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.5672	0.00767	-0.1214	8
WERE	'ST JOHN 115KV'	2.9	-0.11373	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.00705	-0.12078	8
MIDW	'PAWNEE 115KV'	999	-0.11373	MIDW	'COLBY 115KV'	6.933622	-0.03343	-0.0803	13
MIDW	'RICE 115KV'	999	-0.11373	MIDW	'COLBY 115KV'	6.933622	-0.03343	-0.0803	13
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.08849	WEPL	'BELOIT 115KV'	6.250004	-0.01877	-0.06972	15
WEPL	'NORTH WEST GREAT BEND 115KV'	8.49	-0.08849	WEPL	'BELOIT 115KV'	6.250004	-0.01877	-0.06972	15
WERE	'CITY OF FREDONIA 69KV'	10.294	0.00081	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.06198	16
WERE	'CITY OF MULVANE 69KV'	11.869	-0.00104	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.06383	16
WERE	'CITY OF WINFIELD 69KV'	24.18102	-0.00111	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.0639	16
WERE	'EVANS ENERGY CENTER 138KV'	837	-0.00022	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.06301	16
WERE	'GETTY 69KV'	35	0.0001	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.06269	16
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00295	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.06574	16
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00224	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.06503	16
WERE	'SOUTH SENECA 115KV'	15	0.00004	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.06275	16
WERE	'CHANUTE 69KV'	45.697	0.00112	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.06167	17
WERE	'CITY OF ERIE 69KV'	26.53	0.00112	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.06167	17
WERE	'CITY OF GIRARD 69KV'	9.288	0.0012	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.06159	17
WERE	'CITY OF IOLA 69KV'	17.726	0.00137	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.06142	17
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.00268	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.06011	17
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00107	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.06172	17
MIDW	'GREAT BEND PLANT 69KV'	10	-0.09151	MIDW	'COLBY 115KV'	6.933622	-0.03343	-0.05808	18
WERE	'HOLTON 115KV'	19.8	0.00732	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.05547	18
WERE	'LAWRENCE ENERGY CENTER 115KV'	121.3015	0.00742	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.05537	18
WERE	'TECUMSEH ENERGY CENTER 115KV'	143	0.00705	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.05574	18
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00698	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.05581	18
WERE	'LAWRENCE ENERGY CENTER 230KV'	37.43277	0.00767	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.05512	19
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.01484	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.04795	21
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.02064	WERE	'SMOKEY HILLS 34KV'	100	0.06279	-0.04215	24
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.08849	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.05606	-0.03243	31
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	63	-0.08849	WEPL	'JUDSON LARGE 115KV'	34.12798	-0.05604	-0.03245	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

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

Upgrade: WICHITA - RENO CO 345KV
Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
Direction: To->From
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 5736857381156872568731420 7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.1	1.5
1034590	0.2	1.5
1034595	1.2	1.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.3467	4
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'CHANUTE 69KV'	46.617	0.0011	-0.28508	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'CITY OF AUGUSTA 69KV'	26.1	-0.00008	-0.2839	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00218	-0.28616	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'CITY OF ERIE 69KV'	19.965	0.0011	-0.28508	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'CITY OF GIRARD 69KV'	2.989	0.00118	-0.28516	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'CITY OF IOLA 69KV'	19.865	0.00133	-0.28531	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00103	-0.28295	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'CITY OF NEODESHA 69KV'	4.5	0.00072	-0.2847	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00168	-0.2823	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'CITY OF WINFIELD 69KV'	39.90401	-0.0011	-0.28288	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00218	-0.28616	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'EVANS ENERGY CENTER 138KV'	305	-0.00021	-0.28377	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00293	-0.28105	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01481	-0.29879	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02061	-0.30459	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00739	-0.29137	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'LAWRENCE ENERGY CENTER 230KV'	229.1015	0.00764	-0.29162	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00702	-0.291	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'WACO 138KV'	17.947	-0.00266	-0.28132	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.28509	5
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.28498	5
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01481	-0.23718	6
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02061	-0.24298	6
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00739	-0.22976	6
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'LAWRENCE ENERGY CENTER 230KV'	229.1015	0.00764	-0.23001	6
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00702	-0.22939	6
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01481	-0.23707	6
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02061	-0.24287	6
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00739	-0.22965	6
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'LAWRENCE ENERGY CENTER 230KV'	229.1015	0.00764	-0.2299	6
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.00702	-0.22928	6
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'CHANUTE 69KV'	46.617	0.0011	-0.22347	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'CITY OF AUGUSTA 69KV'	26.1	-0.00008	-0.22229	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00218	-0.22455	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'CITY OF ERIE 69KV'	19.965	0.0011	-0.22347	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'CITY OF GIRARD 69KV'	2.989	0.00118	-0.22355	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'CITY OF IOLA 69KV'	19.865	0.00133	-0.2237	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00103	-0.22134	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'CITY OF NEODESHA 69KV'	4.5	0.00072	-0.22309	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00168	-0.22069	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'CITY OF WINFIELD 69KV'	39.90401	-0.0011	-0.22127	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00218	-0.22455	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'EVANS ENERGY CENTER 138KV'	305	-0.00021	-0.22216	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00293	-0.21944	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.22237	WERE	'WACO 138KV'	17.947	-0.00266	-0.21971	7
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'CHANUTE 69KV'	46.617	0.0011	-0.22336	7
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'CITY OF AUGUSTA 69KV'	26.1	-0.00008	-0.22218	7
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00218	-0.22444	7
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'CITY OF ERIE 69KV'	19.965	0.0011	-0.22336	7
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'CITY OF GIRARD 69KV'	2.989	0.00118	-0.22344	7
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'CITY OF IOLA 69KV'	19.865	0.00133	-0.22359	7
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00103	-0.22123	7
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'CITY OF NEODESHA 69KV'	4.5	0.00072	-0.22298	7
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00168	-0.22058	7
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'CITY OF WINFIELD 69KV'	39.90401	-0.0011	-0.22116	7
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00218	-0.22444	7
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'EVANS ENERGY CENTER 138KV'	305	-0.00021	-0.22205	7
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00293	-0.21933	7
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.22226	WERE	'WACO 138KV'	17.947	-0.00266	-0.2196	7
WERE	'ST JOHN 115KV'	2.9	-0.11381	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.17653	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.161	-0.12298	12
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.08865	WEPL	'CLIFTON 115KV'	21.97577	-0.00947	-0.07918	18
WERE	'GILL ENERGY CENTER 138KV'	17.99999	-0.00293	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.06565	22
WERE	'CITY OF MULVANE 69KV'	9.601001	-0.00103	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.06375	23
WERE	'EVANS ENERGY CENTER 138KV'	438	-0.00021	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.06293	23
WERE	'GETTY 69KV'	35	0.00011	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.06261	23
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00223	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.06495	23
WERE	'SOUTH SENECA 115KV'	15	0.00003	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.06269	23
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.28398	WERE	'HUTCHINSON ENERGY CENTER 115KV'	110.5723	-0.22237	-0.06161	24
WERE	'CITY OF FREDONIA 69KV'	10.294	0.0008	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.06192	24
WERE	'CITY OF IOLA 69KV'	17.763	0.00133	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.06139	24
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.00266	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.06006	24
WERE	'NEOSHO ENERGY CENTER 138KV'	67	0.00107	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.06165	24
WERE	'HOLTON 115KV'	19.8	0.0073	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.05542	26
WERE	'LAWRENCE ENERGY CENTER 115KV'	78	0.00739	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.05533	26
WERE	'TECUMSEH ENERGY CENTER 115KV'	52.99999	0.00702	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.0557	26
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00695	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.05577	26
WERE	'LAWRENCE ENERGY CENTER 230KV'	39.8985	0.00764	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.05508	27
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.01481	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.04791	31
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.02061	WERE	'SMOKEY HILLS 34KV'	100	0.06272	-0.04211	35

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

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

Upgrade: WICHITA - RENO CO 345KV
Limiting Facility: NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV CKT 1
Direction: From->To
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 5737257374156872568731220 6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	2.0	7.1
1034590	5.1	7.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5219	WERE	'CHANUTE 69KV'	35.344	0.00312	-0.52502	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5219	WERE	'CITY OF BURLINGTON 69KV'	5.4	0.00594	-0.52784	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5219	WERE	'CITY OF IOLA 69KV'	13.978	0.00364	-0.52554	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5219	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00594	-0.52784	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5219	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03511	-0.55701	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5219	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03654	-0.55844	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5219	WERE	'LAWRENCE ENERGY CENTER 230KV'	181.4851	0.02275	-0.54465	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5219	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.02622	-0.54812	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5219	WERE	'CITY OF AUGUSTA 69KV'	18.8	0.00098	-0.52288	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5219	WERE	'CITY OF WELLINGTON 69KV'	29.148	-0.0028	-0.5191	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5219	WERE	'EVANS ENERGY CENTER 138KV'	69.8855	0.00077	-0.52267	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5219	WERE	'WACO 138KV'	17.953	-0.00475	-0.51715	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.42287	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03511	-0.45798	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.42287	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03654	-0.45941	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42268	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03511	-0.45779	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42268	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03654	-0.45922	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.42287	WERE	'LAWRENCE ENERGY CENTER 230KV'	181.4851	0.02275	-0.44562	16
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.42287	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.02622	-0.44909	16
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42268	WERE	'LAWRENCE ENERGY CENTER 230KV'	181.4851	0.02275	-0.44543	16
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42268	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.02622	-0.4489	16
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.42287	WERE	'CHANUTE 69KV'	35.344	0.00312	-0.42599	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.42287	WERE	'CITY OF AUGUSTA 69KV'	18.8	0.00098	-0.42385	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.42287	WERE	'CITY OF IOLA 69KV'	13.978	0.00364	-0.42651	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.42287	WERE	'CITY OF WELLINGTON 69KV'	29.148	-0.0028	-0.42007	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.42287	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00594	-0.42881	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.42287	WERE	'EVANS ENERGY CENTER 138KV'	69.8855	0.00077	-0.42364	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.42287	WERE	'WACO 138KV'	17.953	-0.00475	-0.41812	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42268	WERE	'CHANUTE 69KV'	35.344	0.00312	-0.4258	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42268	WERE	'CITY OF AUGUSTA 69KV'	18.8	0.00098	-0.42366	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42268	WERE	'CITY OF IOLA 69KV'	13.978	0.00364	-0.42632	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42268	WERE	'CITY OF WELLINGTON 69KV'	29.148	-0.0028	-0.41988	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42268	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00594	-0.42862	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42268	WERE	'EVANS ENERGY CENTER 138KV'	69.8855	0.00077	-0.42345	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.42268	WERE	'WACO 138KV'	17.953	-0.00475	-0.41793	17
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	59.0015	-0.22211	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.13618	-0.08593	82
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	59.0015	-0.22211	WEPL	'JUDSON LARGE 115KV'	45.09819	-0.13602	-0.08609	82
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00537	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03654	-0.04191	169
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00537	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03511	-0.04048	175
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00382	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03654	-0.04036	175
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00382	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03511	-0.03893	182
WERE	'EVANS ENERGY CENTER 138KV'	723.1145	0.00077	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03654	-0.03577	198
WERE	'EVANS ENERGY CENTER 138KV'	723.1145	0.00077	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03511	-0.03434	206

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

Upgrade: WICHITA - RENO CO 345KV
Limiting Facility: NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV CKT 1
Direction: From->To
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 5737257374156872568731220 8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	2.1	17.7
1034590	5.1	17.7
1034595	10.5	17.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50467	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02984	-0.53451	33
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50467	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0311	-0.53577	33
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50467	WERE	'SMOKEY HILLS 34KV'	100	0.03125	-0.53592	33
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50467	WERE	'LAWRENCE ENERGY CENTER 115KV'	16.69849	0.01833	-0.523	34
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50467	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.5672	0.01924	-0.52391	34
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50467	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.02227	-0.52694	34
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50467	WERE	'CITY OF AUGUSTA 69KV'	24.3	0.0006	-0.50527	35
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50467	WERE	'CITY OF IOLA 69KV'	19.902	0.00302	-0.50769	35
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50467	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00259	-0.50208	35
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50467	WERE	'CITY OF WINFIELD 69KV'	15.81898	-0.00154	-0.50313	35
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50467	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00482	-0.50949	35
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50467	WERE	'EVANS ENERGY CENTER 138KV'	110	0.00042	-0.50509	35
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.50467	WERE	'WACO 138KV'	17.414	-0.00431	-0.50036	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39931	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02984	-0.42915	41
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39931	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0311	-0.43041	41
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39931	WERE	'SMOKEY HILLS 34KV'	100	0.03125	-0.43056	41
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39892	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02984	-0.42876	41
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39892	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0311	-0.43002	41
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39892	WERE	'SMOKEY HILLS 34KV'	100	0.03125	-0.43017	41
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39931	WERE	'LAWRENCE ENERGY CENTER 115KV'	16.69849	0.01833	-0.41764	42
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39931	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.5672	0.01924	-0.41855	42
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39931	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.02227	-0.42158	42
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39892	WERE	'LAWRENCE ENERGY CENTER 115KV'	16.69849	0.01833	-0.41725	42
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39892	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.5672	0.01924	-0.41816	42
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39892	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.02227	-0.42119	42
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39931	WERE	'CITY OF AUGUSTA 69KV'	24.3	0.0006	-0.39991	44
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39931	WERE	'CITY OF WINFIELD 69KV'	15.81898	-0.00154	-0.39777	44
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39931	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00482	-0.40413	44
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39931	WERE	'EVANS ENERGY CENTER 138KV'	110	0.00042	-0.39973	44
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39892	WERE	'CITY OF AUGUSTA 69KV'	24.3	0.0006	-0.39952	44
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39892	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00482	-0.40374	44
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39892	WERE	'EVANS ENERGY CENTER 138KV'	110	0.00042	-0.39934	44
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39931	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00259	-0.39672	45
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.39931	WERE	'WACO 138KV'	17.414	-0.00431	-0.395	45
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39892	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00259	-0.39633	45
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39892	WERE	'CITY OF WINFIELD 69KV'	15.81898	-0.00154	-0.39738	45
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39892	WERE	'WACO 138KV'	17.414	-0.00431	-0.39461	45
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00485	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0311	-0.03595	492
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00485	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02984	-0.03469	510
WERE	'EVANS ENERGY CENTER 138KV'	837	0.00042	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0311	-0.03068	577

Maximum Decrement and Maximum Increment were determine from the 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: WICHITA - RENO CO 345KV
Limiting Facility: NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV CKT 1
Direction: From->To
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 573725737415687256873142O7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.2	3.3
1034590	0.5	3.3
1034595	2.6	3.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.11716	-0.62196	5
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0299	-0.5347	6
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03112	-0.53592	6
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.01833	-0.52313	6
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'LAWRENCE ENERGY CENTER 230KV'	229.1015	0.01925	-0.52405	6
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'SMOKEY HILLS 34KV'	100	0.03115	-0.53595	6
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.02229	-0.52709	6
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.11716	-0.51662	6
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.11716	-0.51643	6
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'CHANUTE 69KV'	46.617	0.00254	-0.50734	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'CITY OF AUGUSTA 69KV'	26.1	0.00065	-0.50545	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00489	-0.50969	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'CITY OF ERIE 69KV'	19.965	0.00254	-0.50734	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'CITY OF GIRARD 69KV'	2.989	0.00265	-0.50745	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'CITY OF IOLA 69KV'	19.865	0.00298	-0.50778	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00117	-0.50363	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'CITY OF NEODESHA 69KV'	4.5	0.00181	-0.50661	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00255	-0.50225	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'CITY OF WINFIELD 69KV'	39.90401	-0.0015	-0.5033	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00489	-0.50969	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00046	-0.50526	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00479	-0.50001	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'WACO 138KV'	17.947	-0.00426	-0.50054	7
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'CHANUTE 69KV'	46.617	0.00254	-0.402	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'CITY OF AUGUSTA 69KV'	26.1	0.00065	-0.40011	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00489	-0.40435	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'CITY OF ERIE 69KV'	19.965	0.00254	-0.402	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'CITY OF GIRARD 69KV'	2.989	0.00265	-0.40211	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'CITY OF IOLA 69KV'	19.865	0.00298	-0.40244	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00117	-0.39829	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'CITY OF NEODESHA 69KV'	4.5	0.00181	-0.40127	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00255	-0.39691	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'CITY OF WINFIELD 69KV'	39.90401	-0.0015	-0.39796	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00489	-0.40435	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00046	-0.39992	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00479	-0.39467	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0299	-0.42936	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03112	-0.43058	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.01833	-0.41779	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'LAWRENCE ENERGY CENTER 230KV'	229.1015	0.01925	-0.41871	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'SMOKEY HILLS 34KV'	100	0.03115	-0.43061	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.02229	-0.42175	8
WERE	'HUTCHINSON ENERGY CENTER 115KV'	272.4277	-0.39946	WERE	'WACO 138KV'	17.947	-0.00426	-0.3952	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'CHANUTE 69KV'	46.617	0.00254	-0.40181	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'CITY OF AUGUSTA 69KV'	26.1	0.00065	-0.39992	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00489	-0.40416	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'CITY OF ERIE 69KV'	19.965	0.00254	-0.40181	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'CITY OF GIRARD 69KV'	2.989	0.00265	-0.40192	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'CITY OF IOLA 69KV'	19.865	0.00298	-0.40225	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'CITY OF MULVANE 69KV'	6.189	-0.00117	-0.3981	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'CITY OF NEODESHA 69KV'	4.5	0.00181	-0.40108	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00255	-0.39672	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'CITY OF WINFIELD 69KV'	39.90401	-0.0015	-0.39777	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00489	-0.40416	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00046	-0.39973	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00479	-0.39448	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0299	-0.42917	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03112	-0.43039	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.01833	-0.4176	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'LAWRENCE ENERGY CENTER 230KV'	229.1015	0.01925	-0.41852	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'SMOKEY HILLS 34KV'	100	0.03115	-0.43042	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.02229	-0.42156	8
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.39927	WERE	'WACO 138KV'	17.947	-0.00426	-0.39501	8
WEPL	'NORTH WEST GREAT BEND 115KV'	12.24	-0.17574	WEPL	'CLIFTON 115KV'	21.97577	-0.00539	-0.17035	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.5048	WERE	'HUTCHINSON ENERGY CENTER 115KV'	110.5723	-0.39946	-0.10534	31
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00345	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03112	-0.03457	96
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00345	WERE	'SMOKEY HILLS 34KV'	100	0.03115	-0.0346	96
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00345	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0299	-0.03335	99
WERE	'EVANS ENERGY CENTER 138KV'	438	0.00046	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03112	-0.03066	108
WERE	'EVANS ENERGY CENTER 138KV'	438	0.00046	WERE	'SMOKEY HILLS 34KV'	100	0.03115	-0.03069	108

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

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

Upgrade: WICHITA - RENO CO 345KV
Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1
Direction: From->To
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 5737457438156872568731220 6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.9	3.3
1034590	2.4	3.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2427	WERE	'CHANUTE 69KV'	35.344	0.00145	-0.24415	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2427	WERE	'CITY OF BURLINGTON 69KV'	5.4	0.00276	-0.24546	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2427	WERE	'CITY OF IOLA 69KV'	13.978	0.00169	-0.24439	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2427	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00276	-0.24546	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2427	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01633	-0.25903	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2427	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01699	-0.25969	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2427	WERE	'LAWRENCE ENERGY CENTER 230KV'	181.4851	0.01058	-0.25328	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2427	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.01219	-0.25489	13
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2427	WERE	'CITY OF AUGUSTA 69KV'	18.8	0.00046	-0.24316	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2427	WERE	'CITY OF WELLINGTON 69KV'	29.148	-0.0013	-0.2414	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2427	WERE	'EVANS ENERGY CENTER 138KV'	69.8855	0.00036	-0.24306	14
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.2427	WERE	'WACO 138KV'	17.953	-0.00221	-0.24049	14
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.19665	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01633	-0.21298	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.19665	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01699	-0.21364	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19656	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01633	-0.21289	15
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19656	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01699	-0.21355	15
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.19665	WERE	'LAWRENCE ENERGY CENTER 230KV'	181.4851	0.01058	-0.20723	16
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.19665	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.01219	-0.20884	16
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19656	WERE	'LAWRENCE ENERGY CENTER 230KV'	181.4851	0.01058	-0.20714	16
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19656	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.01219	-0.20875	16
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.19665	WERE	'CHANUTE 69KV'	35.344	0.00145	-0.1981	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.19665	WERE	'CITY OF AUGUSTA 69KV'	18.8	0.00046	-0.19711	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.19665	WERE	'CITY OF IOLA 69KV'	13.978	0.00169	-0.19834	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.19665	WERE	'CITY OF WELLINGTON 69KV'	29.148	-0.0013	-0.19535	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.19665	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00276	-0.19941	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.19665	WERE	'EVANS ENERGY CENTER 138KV'	69.8855	0.00036	-0.19701	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.19665	WERE	'WACO 138KV'	17.953	-0.00221	-0.19444	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19656	WERE	'CHANUTE 69KV'	35.344	0.00145	-0.19801	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19656	WERE	'CITY OF AUGUSTA 69KV'	18.8	0.00046	-0.19702	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19656	WERE	'CITY OF IOLA 69KV'	13.978	0.00169	-0.19825	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19656	WERE	'CITY OF WELLINGTON 69KV'	29.148	-0.0013	-0.19526	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19656	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.00276	-0.19932	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19656	WERE	'EVANS ENERGY CENTER 138KV'	69.8855	0.00036	-0.19692	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.19656	WERE	'WACO 138KV'	17.953	-0.00221	-0.19435	17
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	59.0015	-0.10329	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.06333	-0.03996	82
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	59.0015	-0.10329	WEPL	'JUDSON LARGE 115KV'	45.09819	-0.06326	-0.04003	82

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

Upgrade: WICHITA - RENO CO 345KV
Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1
Direction: From->To
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 5737457438156872568731220 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
1034589	0.3	3.8
1034590	0.7	3.8
1034595	2.8	3.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23476	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01389	-0.24865	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23476	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01446	-0.24922	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23476	WERE	'SMOKEY HILLS 34KV'	100	0.01447	-0.24923	15
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23476	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.01035	-0.24511	16
WERE	'HUTCHINSON ENERGY CENTER 115KV'	318.8369	-0.18577	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01389	-0.19966	19
WERE	'HUTCHINSON ENERGY CENTER 115KV'	318.8369	-0.18577	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01446	-0.20023	19
WERE	'HUTCHINSON ENERGY CENTER 115KV'	318.8369	-0.18577	WERE	'SMOKEY HILLS 34KV'	100	0.01447	-0.20024	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18568	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01389	-0.19957	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18568	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01446	-0.20014	19
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18568	WERE	'SMOKEY HILLS 34KV'	100	0.01447	-0.20015	19
WERE	'HUTCHINSON ENERGY CENTER 115KV'	318.8369	-0.18577	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.01035	-0.19612	20
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18568	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.01035	-0.19603	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23476	WERE	'HUTCHINSON ENERGY CENTER 115KV'	64.1631	-0.18577	-0.04899	78
WEPL	'A. M. MULLERGREN GENERATOR 115KV'	62.31866	-0.08174	WEPL	'JUDSON LARGE 115KV'	45.334	-0.05142	-0.03032	127

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

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

Upgrade: WICHITA - RENO CO 345KV
Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1
Direction: From->To
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 5737457438156872568731220 7SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.4	6.0
1034590	0.9	6.0
1034595	4.7	6.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.05448	-0.28923	21
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0139	-0.24865	24
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01447	-0.24922	24
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'SMOKEY HILLS 34KV'	100	0.01448	-0.24923	24
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'CHANUTE 69KV'	46.617	0.00118	-0.23593	25
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00228	-0.23703	25
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'CITY OF ERIE 69KV'	19.965	0.00118	-0.23593	25
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'CITY OF IOLA 69KV'	19.865	0.00139	-0.23614	25
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00228	-0.23703	25
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00853	-0.24328	25
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'LAWRENCE ENERGY CENTER 230KV'	228.6008	0.00895	-0.2437	25
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.01037	-0.24512	25
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'CITY OF AUGUSTA 69KV'	26.1	0.0003	-0.23505	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00118	-0.23357	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'CITY OF WINFIELD 69KV'	39.90401	-0.0007	-0.23405	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00022	-0.23497	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00223	-0.23252	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.23475	WERE	'WACO 138KV'	17.947	-0.00198	-0.23277	26
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0139	-0.19966	30
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01447	-0.20023	30
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'SMOKEY HILLS 34KV'	100	0.01448	-0.20024	30
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.0139	-0.19957	30
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01447	-0.20014	30
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'SMOKEY HILLS 34KV'	100	0.01448	-0.20015	30
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00853	-0.19429	31
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'LAWRENCE ENERGY CENTER 230KV'	228.6008	0.00895	-0.19471	31
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.01037	-0.19613	31
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'LAWRENCE ENERGY CENTER 115KV'	60	0.00853	-0.1942	31
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'LAWRENCE ENERGY CENTER 230KV'	228.6008	0.00895	-0.19462	31
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	0.01037	-0.19604	31
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'CHANUTE 69KV'	46.617	0.00118	-0.18694	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'CITY OF AUGUSTA 69KV'	26.1	0.0003	-0.18606	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'CITY OF ERIE 69KV'	19.965	0.00118	-0.18694	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'CITY OF IOLA 69KV'	19.865	0.00139	-0.18715	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'CITY OF WINFIELD 69KV'	39.90401	-0.0007	-0.18506	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00228	-0.18804	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00022	-0.18598	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'CHANUTE 69KV'	46.617	0.00118	-0.18685	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'CITY OF AUGUSTA 69KV'	26.1	0.0003	-0.18597	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'CITY OF ERIE 69KV'	19.965	0.00118	-0.18685	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'CITY OF IOLA 69KV'	19.865	0.00139	-0.18706	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.96	0.00228	-0.18795	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'EVANS ENERGY CENTER 138KV'	305	0.00022	-0.18589	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00118	-0.18458	33
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00223	-0.18353	33
WERE	'HUTCHINSON ENERGY CENTER 115KV'	273.2761	-0.18576	WERE	'WACO 138KV'	17.947	-0.00198	-0.18378	33
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00118	-0.18449	33
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'CITY OF WINFIELD 69KV'	39.90401	-0.0007	-0.18497	33
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00223	-0.18344	33
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.18567	WERE	'WACO 138KV'	17.947	-0.00198	-0.18369	33

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

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

Upgrade: WICHITA - RENO CO 345KV
Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1
Direction: From->To
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 5737457438156872568731220 8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	1.0	8.2
1034590	2.4	8.2
1034595	4.9	8.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.23469	WERE	'JEFFREY ENERGY CENTER_230KV'	470	0.01388	-0.24857	33
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.23469	WERE	'JEFFREY ENERGY CENTER_345KV'	940	0.01446	-0.24915	33
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.23469	WERE	'SMOKEY HILLS_34KV'	100	0.01453	-0.24922	33
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.23469	WERE	'LAWRENCE ENERGY CENTER_115KV'	16.69849	0.00852	-0.24321	34
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.23469	WERE	'LAWRENCE ENERGY CENTER_230KV'	231.5672	0.00895	-0.24364	34
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.23469	WERE	'TECUMSEH ENERGY CENTER_115KV'	48	0.01036	-0.24505	34
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.23469	WERE	'CITY OF AUGUSTA_69KV'	24.3	0.00028	-0.23497	35
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.23469	WERE	'CITY OF IOLA_69KV'	19.902	0.0014	-0.23609	35
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.23469	WERE	'CITY OF WELLINGTON_69KV'	39.5	-0.0012	-0.23349	35
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.23469	WERE	'CITY OF WINFIELD_69KV'	15.81898	-0.00071	-0.23398	35
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.23469	WERE	'COFFEY COUNTY NO. 2 SHARPE_69KV'	19.61	0.00224	-0.23693	35
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.23469	WERE	'EVANS ENERGY CENTER_138KV'	110	0.0002	-0.23489	35
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.23469	WERE	'WACO_138KV'	17.414	-0.002	-0.23269	35
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.18569	WERE	'JEFFREY ENERGY CENTER_230KV'	470	0.01388	-0.19957	41
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.18569	WERE	'JEFFREY ENERGY CENTER_345KV'	940	0.01446	-0.20015	41
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.18569	WERE	'SMOKEY HILLS_34KV'	100	0.01453	-0.20022	41
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.18551	WERE	'JEFFREY ENERGY CENTER_230KV'	470	0.01388	-0.19939	41
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.18551	WERE	'JEFFREY ENERGY CENTER_345KV'	940	0.01446	-0.19997	41
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.18551	WERE	'SMOKEY HILLS_34KV'	100	0.01453	-0.20004	41
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.18569	WERE	'LAWRENCE ENERGY CENTER_115KV'	16.69849	0.00852	-0.19421	42
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.18569	WERE	'LAWRENCE ENERGY CENTER_230KV'	231.5672	0.00895	-0.19464	42
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.18569	WERE	'TECUMSEH ENERGY CENTER_115KV'	48	0.01036	-0.19605	42
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.18551	WERE	'LAWRENCE ENERGY CENTER_115KV'	16.69849	0.00852	-0.19403	42
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.18551	WERE	'LAWRENCE ENERGY CENTER_230KV'	231.5672	0.00895	-0.19446	42
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.18551	WERE	'TECUMSEH ENERGY CENTER_115KV'	48	0.01036	-0.19587	42
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.18569	WERE	'CITY OF AUGUSTA_69KV'	24.3	0.00028	-0.18597	44
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.18569	WERE	'CITY OF WINFIELD_69KV'	15.81898	-0.00071	-0.18498	44
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.18569	WERE	'COFFEY COUNTY NO. 2 SHARPE_69KV'	19.61	0.00224	-0.18793	44
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.18569	WERE	'EVANS ENERGY CENTER_138KV'	110	0.0002	-0.18589	44
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.18551	WERE	'CITY OF AUGUSTA_69KV'	24.3	0.00028	-0.18579	44
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.18551	WERE	'COFFEY COUNTY NO. 2 SHARPE_69KV'	19.61	0.00224	-0.18775	44
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.18551	WERE	'EVANS ENERGY CENTER_138KV'	110	0.0002	-0.18571	44
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.18569	WERE	'CITY OF WELLINGTON_69KV'	39.5	-0.0012	-0.18449	45
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.18569	WERE	'WACO_138KV'	17.414	-0.002	-0.18369	45
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.18551	WERE	'CITY OF WELLINGTON_69KV'	39.5	-0.0012	-0.18431	45
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.18551	WERE	'CITY OF WINFIELD_69KV'	15.81898	-0.00071	-0.1848	45
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.18551	WERE	'WACO_138KV'	17.414	-0.002	-0.18351	45

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

Upgrade: WICHITA - RENO CO 345KV
Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2
Direction: From->To
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 5737457438256872568731220 6WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.8	2.9
1034590	2.1	2.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.2792	WERE	'CHANUTE_69KV'	35.344	0.00167	-0.28087	10
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.2792	WERE	'CITY OF AUGUSTA_69KV'	18.8	0.00052	-0.27972	10
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.2792	WERE	'CITY OF BURLINGTON_69KV'	5.4	0.00318	-0.28238	10
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.2792	WERE	'CITY OF IOLA_69KV'	13.978	0.00195	-0.28115	10
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.2792	WERE	'CITY OF MULVANE_69KV'	3.694	-0.00062	-0.27858	10
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.2792	WERE	'CITY OF WELLINGTON_69KV'	29.148	-0.0015	-0.2777	10
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.2792	WERE	'COFFEY COUNTY NO. 2 SHARPE_69KV'	19.97	0.00318	-0.28238	10
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.2792	WERE	'EVANS ENERGY CENTER_138KV'	69.8855	0.00041	-0.27961	10
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.2792	WERE	'JEFFREY ENERGY CENTER_230KV'	470	0.01878	-0.29798	10
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.2792	WERE	'JEFFREY ENERGY CENTER_345KV'	940	0.01955	-0.29875	10
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.2792	WERE	'LAWRENCE ENERGY CENTER_230KV'	181.4851	0.01217	-0.29137	10
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.2792	WERE	'TECUMSEH ENERGY CENTER_115KV'	48	0.01403	-0.29323	10
WERE	'BPU - CITY OF MCPHERSON_115KV'	259	-0.2792	WERE	'WACO_138KV'	17.953	-0.00254	-0.27666	10
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.22622	WERE	'JEFFREY ENERGY CENTER_230KV'	470	0.01878	-0.245	12
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.22622	WERE	'JEFFREY ENERGY CENTER_345KV'	940	0.01955	-0.24577	12
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.22622	WERE	'LAWRENCE ENERGY CENTER_230KV'	181.4851	0.01217	-0.23839	12
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.22622	WERE	'TECUMSEH ENERGY CENTER_115KV'	48	0.01403	-0.24025	12
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.22612	WERE	'JEFFREY ENERGY CENTER_230KV'	470	0.01878	-0.2449	12
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.22612	WERE	'JEFFREY ENERGY CENTER_345KV'	940	0.01955	-0.24567	12
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.22612	WERE	'LAWRENCE ENERGY CENTER_230KV'	181.4851	0.01217	-0.23829	12
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.22612	WERE	'TECUMSEH ENERGY CENTER_115KV'	48	0.01403	-0.24015	12
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.22622	WERE	'CHANUTE_69KV'	35.344	0.00167	-0.22789	13
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.22622	WERE	'CITY OF AUGUSTA_69KV'	18.8	0.00052	-0.22674	13
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.22622	WERE	'CITY OF BURLINGTON_69KV'	5.4	0.00318	-0.2294	13
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.22622	WERE	'CITY OF IOLA_69KV'	13.978	0.00195	-0.22817	13
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.22622	WERE	'CITY OF WELLINGTON_69KV'	29.148	-0.0015	-0.22472	13
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.22622	WERE	'COFFEY COUNTY NO. 2 SHARPE_69KV'	19.97	0.00318	-0.2294	13
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.22622	WERE	'EVANS ENERGY CENTER_138KV'	69.8855	0.00041	-0.22663	13
WERE	'HUTCHINSON ENERGY CENTER_115KV'	383	-0.22622	WERE	'WACO_138KV'	17.953	-0.00254	-0.22368	13
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.22612	WERE	'CHANUTE_69KV'	35.344	0.00167	-0.22779	13
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.22612	WERE	'CITY OF AUGUSTA_69KV'	18.8	0.00052	-0.22664	13
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.22612	WERE	'CITY OF BURLINGTON_69KV'	5.4	0.00318	-0.2293	13
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.22612	WERE	'CITY OF IOLA_69KV'	13.978	0.00195	-0.22807	13
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.22612	WERE	'CITY OF WELLINGTON_69KV'	29.148	-0.0015	-0.22462	13
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.22612	WERE	'COFFEY COUNTY NO. 2 SHARPE_69KV'	19.97	0.00318	-0.2293	13
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.22612	WERE	'EVANS ENERGY CENTER_138KV'	69.8855	0.00041	-0.22653	13
WERE	'HUTCHINSON ENERGY CENTER_69KV'	67	-0.22612	WERE	'WACO_138KV'	17.953	-0.00254	-0.22358	13
WEPL	'A. M. MULLERGREN GENERATOR_115KV'	59.0015	-0.11882	WEPL	'GRAY COUNTY WIND FARM_115KV'	36	-0.07285	-0.04597	63
WEPL	'A. M. MULLERGREN GENERATOR_115KV'	59.0015	-0.11882	WEPL	'JUDSON LARGE_115KV'	45.09819	-0.07277	-0.04605	63

Maximum Decrement and Maximum Increment were determine from the 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: WICHITA - RENO CO 345KV
Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2
Direction: From->To
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 5737457438256872568731220 8WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1034589	0.6	5.5
1034590	1.6	5.5
1034595	3.3	5.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01596	-0.28594	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01664	-0.28662	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'SMOKEY HILLS 34KV'	100	0.01672	-0.2867	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.01191	-0.28189	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'CHANUTE 69KV'	34.903	0.00137	-0.27135	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'CITY OF AUGUSTA 69KV'	24.3	0.00032	-0.2703	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00258	-0.27256	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'CITY OF IOLA 69KV'	19.902	0.00161	-0.27159	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00138	-0.2686	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'CITY OF WINFIELD 69KV'	15.81898	-0.00082	-0.26916	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00258	-0.27256	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'EVANS ENERGY CENTER 138KV'	110	0.00022	-0.2702	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'LAWRENCE ENERGY CENTER 115KV'	16.69849	0.00981	-0.27979	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.5672	0.01029	-0.28027	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.26998	WERE	'WACO 138KV'	17.414	-0.00231	-0.26767	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01596	-0.22958	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01664	-0.23026	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'SMOKEY HILLS 34KV'	100	0.01672	-0.23034	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.01191	-0.22553	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01596	-0.22937	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01664	-0.23005	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'SMOKEY HILLS 34KV'	100	0.01672	-0.23013	24
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'TECUMSEH ENERGY CENTER 115KV'	48	0.01191	-0.22532	24
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00258	-0.2162	25
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00258	-0.2162	25
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'LAWRENCE ENERGY CENTER 115KV'	16.69849	0.00981	-0.22343	25
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.5672	0.01029	-0.22391	25
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'CITY OF BURLINGTON 69KV'	10.5	0.00258	-0.21599	25
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00258	-0.21599	25
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'LAWRENCE ENERGY CENTER 115KV'	16.69849	0.00981	-0.22322	25
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.5672	0.01029	-0.2237	25
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'CHANUTE 69KV'	34.903	0.00137	-0.21499	26
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'CITY OF AUGUSTA 69KV'	24.3	0.00032	-0.21394	26
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'CITY OF IOLA 69KV'	19.902	0.00161	-0.21523	26
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00138	-0.21224	26
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'CITY OF WINFIELD 69KV'	15.81898	-0.00082	-0.2128	26
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'EVANS ENERGY CENTER 138KV'	110	0.00022	-0.21384	26
WERE	'HUTCHINSON ENERGY CENTER 115KV'	383	-0.21362	WERE	'WACO 138KV'	17.414	-0.00231	-0.21131	26
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'CHANUTE 69KV'	34.903	0.00137	-0.21478	26
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'CITY OF AUGUSTA 69KV'	24.3	0.00032	-0.21373	26
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'CITY OF IOLA 69KV'	19.902	0.00161	-0.21502	26
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'CITY OF WELLINGTON 69KV'	39.5	-0.00138	-0.21203	26
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'CITY OF WINFIELD 69KV'	15.81898	-0.00082	-0.21259	26
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'EVANS ENERGY CENTER 138KV'	110	0.00022	-0.21363	26
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.21341	WERE	'WACO 138KV'	17.414	-0.00231	-0.2111	26

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